WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Inuan___ Sampling Date _ Project/Site _____ State _____ Sampling Point _ Applicant/Owner _____ Investigator(s) Section, Township, Range Landform (hillslope, terrace, etc.) Local relief (concave, convex, none) ______ Slope (%) ____ ____ Datum ___ Subregion (LRR) ___ NWI classification. Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation _____. Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No _ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? No Wetland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size _____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC _ (A) Total Number of Dominant Species Across All Strata (B) Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence index worksheet: Total % Cover of: Multiply by OBI species FACW species _ FAC species _____ x 3 = ___ FACU species _____ x 4 = _____ = Total Cover UPL species ____ x 5 = ____ Herb Stratum (Plot size Column Totals _____ (A) ____ (B) Prevalence index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.01 ____ Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) ___ Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic ____= Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? _= Total Cover % Bare Ground in Herb Stratum Remarks

SOIL		Sampling Point: KH
Profile Description: (Describe to the di	epth needed to document the indicator or confirm	, -
Depth Matrix	Redox Features	the absence of malcators.)
(inches) Color (moist) %	Color (moist) % Type Loc2	Texture Remarks
thing transpiritions	<u></u>	
		
<u> </u>		
	· ——————————	
Type. C=Concentration, D=Depletion, R	M=Reduced Matrix, CS=Covered or Coated Sand Gr	ains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to a		indicators for Problematic Hydric Soils3:
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3) Redox Dark Surface (F6)	Y
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	Indicators of hydrophytic vegetation and wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
		The state of the s
Restrictive Layer (If present):		
Restrictive Layer (If present): Type		\ <u>\</u>
Restrictive Layer (If present): Type Depth (inches):		Hydric Soli Present? Yes No
Restrictive Layer (If present): Type Depth (inches): Remarks		\ <u>\</u>
Restrictive Layer (If present): Type: Depth (inches): Remarks SYDROLOGY Wetland Hydrology Indicators:		Hydric Soli Present? Yes No
Restrictive Layer (If present): Type. Depth (inches). Remarks IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require	ed, check all that apply)	Hydric Soli Present? Yes No Secondary Indicators (2 or more required)
Restrictive Layer (If present): Type Depth (inches). Remarks IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requires).	ed, check all that apply) Water Stained Leaves (B9) (except MLF	Hydric Soll Present? Yes No
Restrictive Layer (If present): Type Depth (inches). Remarks IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	ed, check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B)	Hydric Soll Present? Yes No Y
Restrictive Layer (If present): Type Depth (inches): Remarks IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	ed_check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11)	Hydric Soll Present? Yes No
Restrictive Layer (If present): Type Depth (inches). Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ed, check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Hydric Soll Present? Yes No Ye
Restrictive Layer (If present): Type Depth (inches). Remarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ed, check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Hydric Soll Present? Yes No
Restrictive Layer (If present): Type Depth (inches). Remarks YDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one require Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	ed, check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheras along Living Roo	Hydric Soll Present? Yes No
Restrictive Layer (If present): Type Depth (inches). Remarks EYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	ed, check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheras along Living Roo Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Restrictive Layer (If present): Type Depth (inches). Remarks YDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one require Surface Water (A1) High Water Table (A2) Seturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	ed, check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheras along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	Hydric Soll Present? Yes No
Restrictive Layer (If present): Type Depth (inches). Remarks PYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5)	ed_check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheras along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	Hydric Soll Present? Yes No
Restrictive Layer (If present): Type: Depth (inches): Remarks EYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one requires Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	ed_check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheras along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A)	Hydric Soll Present? Yes No
Restrictive Layer (If present): Type: Depth (inches): Remarks IYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one requires Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface	ed_check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheras along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A)	Hydric Soll Present? Yes No
Restrictive Layer (If present): Type: Depth (inches): Remarks EYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requires Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (ed_check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheras along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Restrictive Layer (If present): Type: Depth (inches): Remarks EYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one required Surface Water (A1): High Water Table (A2): Saturation (A3): Water Marks (B1): Sediment Deposits (B2): Drift Deposits (B3): Algal Mail or Crust (B4): Iron Deposits (B5): Surface Soil Cracks (B6): Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes: **Topic Concave Surface Field Observations: **Surface Water Present? Yes: **Topic Concave Surface Field Observations: **Surface Water Present? **Yes: **Topic Concave Surface Field Observations: **Surface Water Present? **Yes: **Topic Concave Surface Field Observations: **Surface Water Present? **Yes: **Topic Concave Surface Field Observations: **Topic Concave Surface Field Observatio	ed, check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheras along Living Roo Presence of Reduced fron (C4) Recent fron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Restrictive Layer (If present): Type: Depth (inches): Remarks EYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface	ed, check all that apply) Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheras along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) No Depth (Inches):	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)

Remarks

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region __ City/County Claudo Sampling Date Project/Site State Sampling Point Applicant/Owner _____ _ Section, Township, Range Investigator(s) Local relief (concave, convex, none) ______ Slope (%) ____ Landform (hillstope terrace_etc.) Subregion (LRR) NWI classification. Soil Map Unit Name Are climatic / hydrologic conditions on the site lypical for this time of year? Yes KNo _____ (If no. explain in Remarks) Are Vegetation _____ Soil ____ or Hydrology ____ significantly disturbed? Are 'Normal Circumstances' present? Yes _____ No _____ No _______ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area No Yes Hydric Soil Present? within a Wetland? Nα Welland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size _____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC Total Number of Dominant Species Across All Strata Percent of Dominant Species _____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: Total % Cover of Multiply by. OBL species _____ x 1 = __ FACW species x 3 = FAC species ___ FACU species = Total Cover UPL species x5=____ 477 Column Totals _____ Prevalence Index = B/A = Hydrophytic Vegetation Indicators: _ Dominance Test is >50% Prevalence Index is 53 01 · Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheel) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic ____= Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? ____= Total Cover % Bare Ground in Herb Stratum _____ Remarks

SOIL		Sampling Point: 15
Profile Description: (Describe to the dep	th needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type Loc²	Texture Remarks
		TOTAL MATERIAL
D-17 10ABH1A 103	D:1	
712 1048513	10p4/10101:	
Type: C=Concentration, D=Depletion, RM	=Reduced Matrix, CS=Covered or Coated Sand Gri	sins. ² Location, PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Solis':
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):	11133-1111-1111-1111-1111-1111-1111-11	
Туре:		
Depth (inches).		Manda Sali Sanasa Wasan
Remarks		Hydric Soil Present? Yes No
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required		Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except MLR	A Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Sait Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living Root	
Algal Mat or Crust (B4)		s (C3) Geomorphic Position (D2)
 •	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	Shallow Aquitard (D3) FAC-Neutral Test (D5)
Iron Deposits (B5) Surface Soil Cracks (B6)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits (C6) Stunted or Stressed Plants (D1) (LRR A)	Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B2)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Shallow Aquitard (D3) FAC-Neutral Test (D5)
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (E) Field Observations:	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plents (D1) (LRR A) Other (Explain in Remarks)	Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (B) Field Observations: Surface Water Present? Yes	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plents (D1) (LRR A) Other (Explain in Remarks) Depth (inches).	Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (B) Field Observations: Surface Water Present? Yes	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plents (D1) (LRR A) Other (Explain in Remarks)	Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Yes	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches). Depth (inches):	Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Water Table Present? Yes 19 Saturation Present? Yes 19 (includes capillary fringe)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Olher (Explain in Remarks) No Depth (inches): No Depth (inches): Wetlai	Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) nd Hydrology Present? Yes No
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Water Table Present? Yes 19 Saturation Present? Yes 19 (includes capillary fringe)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches). Depth (inches):	Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) nd Hydrology Present? Yes No
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Yes	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Olher (Explain in Remarks) No Depth (inches): No Depth (inches): Wetlai	Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) nd Hydrology Present? Yes No
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Water Table Present? Yes 19 Saturation Present? Yes 19 (includes capillary fringe)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Olher (Explain in Remarks) No Depth (inches): No Depth (inches): Wetlai	Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) nd Hydrology Present? Yes No
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Yes	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Olher (Explain in Remarks) No Depth (inches): No Depth (inches): Wetlai	Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) nd Hydrology Present? Yes No
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Yes	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Olher (Explain in Remarks) No Depth (inches): No Depth (inches): Wetlai	Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) nd Hydrology Present? Yes No

\Box 2	STERMINATION		_		and Coast Region	
Project/Site - Flat	d 10 10 -00	Cit	y/County <u>U</u>	wan	Sampling Date	<u> </u>
Applicant/Owner	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Sampling Point	no.
investigator(s)	My 5	Se	ction, Township, Re	ange		
Landform (hillslope, terrace, etc.)	<u> </u>	Lo	cal relief (concave,	convex, none)	Slope	(%)
Subregion (LRR)		Lat		_ Long:	Datum	
Soil Map Unit Name					sification.	
Are climatic / hydrologic conditions	s on the site typical for	this time of year?	Yes No_	(If no. explain)		
Are Vegetation Soil	. or Hydrology	significantly dis	turbed? Are		s" present? Yes	No K
Are Vegetation Soil		_	***	eeded, explain any ans		
				•	·	
SUMMARY OF FINDINGS	- Attach site ma	p snowing sa	impling point	locations, transec	its, important feat	ures, etc
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes	No X	is the Sampled		No <u>\</u>	
Welland Hydrology Present?	Yes	NO				
VEGETATION – Use scier	stific names of pl	ante	·			
AEGE I WILLOW - CRE SCIOL	······································		ominant Indicator	Dominance Test w	orksheet	
Tree Stratum (Plot size		% Cover S	pecies? Status	Number of Dominan That Are OBL, FAC	nt Species 💍	(A)
3				Total Number of Do Species Across All S		(B)
4				Percent of Dominan		\-/
 Sapling/Shrub Stratum (Plot siz	re)	=	Total Cover	That Are OBL. FAC		1- (A/B)
				Prevalence Index v	vorksheet:	
2					of Multiply b	
3				OBL species	x1=	
4				,	x 2 =	
5				· · · · · · · · · · · · · · · · · · ·	x 3 =	
	,	 =	Total Cover	· -	× 4 =	
Herb Stratum (Plot size	· te	25	X FACI	l)	x 5 =	
Julger	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- 36	X UDL	Column I ofais	(A)	(6)
Dante and la	mediata	20	x toca	Prevalence Inc	dex = B/A =	
D. Carota		<u> </u>	X UDL	Hydrophytic Veget	ation indicators:	
5 Phleum Dr	atense		— tec	Dominance Tes		
Parurcul	5 500		— ₩CU	Prevalence Inde		
17 Holcus lan	atus'		<u>†#C</u>		Adaptations' (Provide su arks or on a separate sh	
8 TEIFOULL	J SDD	ـ ك_ ـ	<u> </u>	Welland Non-V		icery
5 FREAKERCUM	Officipho	1e_5	#FYU	1 /	drophytic Vegetation (E	Explain)
10		····		Indicators of hydric	soil and wetland hydrol	logy musi
11			Total Cover	De present, uniess o	disturbed or problematic	
Woody Vine Stratum (Plot size)	***************************************	· - ·			
1				Hydrophytic		
2				Vegetation Present?	Yes No <u>X</u>	
	In/.	=	Total Cover			. –
% Bare Ground in Herb Stratum	<u></u>	·-·-				
Remarks						
1						

Profile Description: (Describe to the depth needed to document the Indicator or confirm Depth Matrix Redox Features Color (moist) % Type' Loc' Sulface (Applicable to all Lara Reduced Matrix, CS=Covered or Coaled Sand Gr. Sulface (Applicable to all Lara, Loc' Sulface	Texture Remarks
inches) Color (moist) % Color (moist) % Type Log* Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Gr Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S8) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (If present): Type: Depth (inches) Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	ains. 2 Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils3: 2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic.
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Gr Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Restrictive Layer (If present): Type Depth (inches) Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	ains. 2 Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils3: 2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Indicators for Problematic Hydric Soils3: 2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Indicators for Problematic Hydric Solis ³ : 2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Indicators for Problematic Hydric Solis ³ : 2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Indicators for Problematic Hydric Solis ³ : 2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Indicators for Problematic Hydric Solis ³ : 2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Indicators for Problematic Hydric Solls': 2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) 'Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Indicators for Problematic Hydric Solls': 2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) 'Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (If present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Indicators for Problematic Hydric Solls': 2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) 'Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches) Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Indicators for Problematic Hydric Solls': 2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) 'Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
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Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (If present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Indicators for Problematic Hydric Solls': 2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) 'Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
Histosof (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (If present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	2 cm Muck (A10) Red Parent Material (TF2) Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic.
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Restrictive Layer (If present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Red Parent Material (TF2) Cother (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches) Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Other (Explain in Remarks) Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic.
Hydrogen Suffide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches) Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problematic.
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gieyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (if present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	wetland hydrology must be present unless disturbed or problematic.
Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Redox Depressions (F8) Restrictive Layer (If present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	wetland hydrology must be present unless disturbed or problematic.
Sandy Mucky Mineral (\$1) Depleted Dark Surface (F7) Sandy Gieyed Matrix (\$4) Redox Depressions (F8) Restrictive Layer (If present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	wetland hydrology must be present unless disturbed or problematic.
Sandy Gieyed Matrix (S4) Redox Depressions (F8) Restrictive Layer (If present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	unless disturbed or problematic.
Restrictive Layer (if present): Type: Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply).	L
Type: Depth (inches) Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply).	Hydric Soli Present? Yes No
Depth (inches). Remarks HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply).	Hydric Soll Present? Yes No X
Remarks IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	179110 0011 100111.
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required, check all that apply)	
Primary Indicators (minimum of one required check all that apply)	
Surface Water (A1) Water-Stained Leaves (B9) (except MLF	Secondary Indicators (2 or more required)
	RA Water-Stained Leaves (BB) (MLRA 1, 2
High Water Table (A2) 1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3) Sati Crust (B11)	Drainage Patterns (B10)
Water Marks (B1) Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2) Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C
Drift Deposits (B3) Oxidized Rhizospheres along Living Roc	
Algai Mat or Crust (B4) Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6	
Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A	
Inundation Visible on Aerial Imagery (87) Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (88)	
Field Observations:	
Surface Water Present? Yes No Depth (inches).	
Water Table Present? Yes No X Depth (Inches):	

Yes ____ No ___ Depth (inches): ____

(includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available

Wetland Hydrology Present? Yes

Saturation Present?

Remarks

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site State Sampling Point Section, Township, Range investigator(s) __ Local relief (concave, convex, none). ______ Slope (%) __ Landform (hillslope, lerrace, etc.) Subregion (LRR) NWI classification. Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes 👢 No _____ (If no, explain in Remarks.) Are Vegetation _____ Soil _____ or Hydrology _____ agnificantly disturped? Are "Normal Circumstances" present? Yes Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Yes _____ No ______ Hydrophytic Vegetation Present? is the Sampled Area Yes X No_ Hydric Soil Present? within a Wetland? Welland Hydrology Present? No. Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stralum (Ptot size % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC Total Number of Dominant Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: Total % Cover of Multiply by OBL species _____ x 2 = FACW species FACU species _____ x 4 = _____ = Total Cover x 5 = ____ UPL species (Plat size Column Totals _____ Prevalence Index = B/A = __ Hydrophytic Vegetation Indicators: Dominance Test is >50% → Prevalence Index is ≤3.0¹ · Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic ____= Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum ___

SOIL		Sampling Point:
Profile Description: (Describe to the	depth needed to document the indicator or confi	rm the absence of indicators.)
Depth Matrix	Redox Features	_
(inches) Color (moist) %	Color (moist) % Type ³ Loc ²	Texture Remarks
0-10 104633	TOJAH16 3:1:	
15-15 IQUAZIA_	104P0371:	
716 TOUPES	104H/10 20:1.	
	_ 	
Tues: CoConnectation Deposition	Plan Control Matrix CS-Covered as Control Band	7
Hydric Soil Indicators: (Applicable to	RM=Reduced Matrix, CS=Covered or Coated Sand	Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis ³ :
Histosol (A1)	Sandy Redox (S5)	•
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10)
Black Histic (A3)	Losmy Mucky Mineral (F1) (except MLRA	Red Parent Material (TF2)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	1) Other (Explain in Remarks)
Depleted Below Dark Surface (A11	·= · · · · · · · · · · · · · · · · · ·	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Glayed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Туре		
Depth (inches):		Hydric Soil Present? Yes X No
IYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one reg	uired check ail that apply?	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except M	
High Water Table (A2)	1, 2, 4A, and 4B)	
Saturation (A3)	Sait Crust (B11)	4A, and 4B)
Water Marks (B1)	Aquatic Invertebrates (B13)	Drainage Patterns (B10)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)
		Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Algai Matior Crust (B4)	Presence of Reduced Iron (C4)	coots (C3) Geomorphic Position (D2)
tron Deposits (85)	Recent Iron Reduction in Tilled Soils (Shallow Aquitard (D3)
Surface Soil Cracks (86)	Stunted or Stressed Plants (D1) (LRR	• • • • • • • • • • • • • • • • • • • •
Inundation Visible on Aerial Imager	• • • • • • • • • • • • • • • • • • • •	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surfa	Ce (88)	744 HZ-10-10-10-10-10-10-10-10-10-10-10-10-10-
Fleid Observations:		
Surface Water Present? Yes	No Depth (inches):	
Water Table Present? Yes	No No Depth (inches):	١.
Saturation Present? Yes includes capillary (ringe)	No Depth (inches): We	etland Hydrology Present? Yes No <u>X</u>
	, monitoring well, aerial photos, previous inspections	s), if available
		
Remarks		
Remarks		
Remarks		

WETLAND DETE			_			
Project/Site 487		City/i	County (JP	llam.	_ Sampling Date 3.)	Pr.
Applicant/Owner	USU 1	<u></u> .		Slale		乃
Investigator(s)	<u> </u>	Sect		nge		
Landform (hillslope, terrace, etc.)						
Subregion (LRR)	L	a!	·	Long	Datum	
Soil Map Unit Name					ication.	
Are climatic / hydrologic conditions on the				(If no, explain in		
Are Vegetation Soil or			rbed? Are		present? Yes	No K
Are Vegelation Soil or	Hydrology natur	ally problem		eded, explain any answ		···
SUMMARY OF FINDINGS - A						
SUMMART OF FINDINGS - A	ttach site map site	willy sai	inpling point ic	cations, transect	s, important reatul	res, etc
Hydrophytic Vegetation Present?	Yes No	}_	Is the Sampled	Area		
Hydric Soil Present?	Yes No	<u>X_</u>	within a Wetlan	d? Yes	No <u>\</u>	
Wetland Hydrology Present?	Yes X No _		<u></u>			
Remarks						
·						
VEGETATION - Use scientific						
1	At	solute Do	minant Indicator	Dominance Test wor	ksheet:	****
Tree Stralum (Plot size				Number of Dominant		
1				That Are OBL, FACW	, or FAC	_ (A)
3			i	Total Number of Domi Species Across All Sto		(B)
4			,			_ (D)
		= To		Percent of Dominant S That Are OBL, FACW		. (A/B
Sapling/Shrub Stratum (Plot size				Prevalence Index wo		
1				Total % Cover of		
3					x1=	
4				FACW species	x 2 =	
5			· '	FAC species	x 3 =	
	_	= Te	otal Cover		× 4 =	
Herb Stratum (Plot size)	90 V	FACIA		x 5 =	
200 De 100 1000	DOATA	46	FACIL	Column Totals	(A)	(B)
3 VICIA VILLEUT		60	k DOL	Prevalence Inde	x = B/A =	
1 Januarius	5000		_ facu	Hydrophytic Vegetat	ion Indicators:	
5 Terfolium 51	212 -	<u> </u>	<u> </u>	Dominance Test i	is >50%	
6 D. CAROTA	 	_ <u>Ç</u> l	<u> </u>	Prevalence Index		
, Hypochocicis v	adicata_	_5	FRC	^ Morphological Ad data in Remar	laptations¹ (Provide supp ks or on a separate shee	et) eting
6				Wetland Non-Vas	icular Plants	
9				_	ophytic Vegetation (Exp	
10.	ANGELIA				oil and wetland hydrolog sturbed or problematic	y must
		= To	tal Cover	De present, unless dis		
Woody Vine Stratum (Plot size)					
1				Hydrophytic Vegetation	\checkmark	
2			utal Cause		'es No	-
% Bare Ground in Herb Stratum	- ۲	= 10	stal Cover			
Remarks						
!						

C	\wedge	1	ı
3	u	ı	ட

Sampling Point: 456

Donath Hand	·	to document the		2. CO	THE DESCRIPTION	g () (((a)(a)(a)(g))
Depth <u>Matrix</u>		Redox Feature				_
(inches) Color (moist)	% Color (r	noist) %	Туре	<u>Loc²</u>	Texture	Remarks
A	l ——					
()-()2 1011/01/41/4	t 100/16	HIU ろし				
	1177 10	77/10 257	· —			- ·
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	— गठा रो		·			
212 IDUPUIO	$\underline{}$ LUUIM	516 30	<u>(</u>			
- to be at	1	•				
						
Type: C=Concentration, D=Dept				d Sand Gr		ocation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applica			led.)		Indica	iors for Problematic Hydric Solis ³ :
Histosol (A1)		/ Redox (S5)			_	m Muck (A10)
Histic Epipedon (A2)	, , ,	ed Matrix (S6)				d Parent Material (TF2)
Black Histic (A3)		y Mucky Mineral (F		MLRA 1)	01	her (Explain in Remarks)
Hydrogen Sulfide (A4)		y Gleyed Matrix (F1	2)			
Depleted Below Dark Surface		ted Matrix (F3)			1-	•
Thick Dark Surface (A12)		x Dark Surface (F6)				tors of hydrophytic vegetation and
Sandy Mucky Mineral (\$1)		ted Dark Surface (I				and hydrology must be present.
Sandy Gleyed Matrix (S4)		x Depressions (F8)			unie	ess disturbed or problematic.
Restrictive Layer (if present):						
Type						
Depth (inches).					Hydric So	Il Present? Yes No
Wetland Hydrology Indicators:	ne required, check at	Lihat appiy)				
Wetland Hydrology Indicators: Primary Indicators (minimum of or					Sec	ondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1)		Nater-Stained Leav	/es (B9) (e		Sec	ondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2)	\	Water-Stained Leav 1, 2, 4A, and 4B	/es (B9) (e		<u>Şec</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saluration (A3)	\	Water-Stained Leav 1, 2, 4A, and 4B Salt Crust (B11)	ves (89) (e		<u>Şec</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saluration (A3) Water Marks (B1)	_ \ ;	Water-Stained Leav 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebrate	ves (B9) (e i) es (B13)		<u>Sec</u>	ondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	\ 	Water-Stained Leav 1, 2, 4A, and 4B Sait Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O	ves (B9) (e i) es (B13) edor (C1)	xcept MLF	<u>Şec</u>	ondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	\ ? ?	Water-Stained Leav 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Dxidized Rhizosphe	ves (B9) (e i) es (B13) dor (C1) eres along	xcept MLF	RA	ondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Atgal Mat or Crust (B4)	\ ! ! !	Nater-Stained Leaven 1, 2, 4A, and 4B Sait Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Dxidized Rhizosphe Presence of Reduce	ves (B9) (e i) es (B13) edor (C1) eres along ed Iron (C4	xcept MLF Living Roo	RA	ondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)		Nater-Stained Leaven, 2, 4A, and 4B Sait Crust (B11) Aquatic Invertebrate Hydrogen Sulfide Opxidized Rhizosphe Presence of Reduction Reduction	ves (B9) (e i) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille	xcept MLF Living Roo \$) d Solls (C6	Sec.	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6)		Water-Stained Leave 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Dividized Rhizosphe Presence of Reduct Recent Iron Reduct Stunted or Stressed	ves (B9) (e i) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille is Plents (D	xcept MLF Living Roo \$) d Solls (C6	Secondaria	pndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounda (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Atgal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial In		Nater-Stained Leaven, 2, 4A, and 4B Sait Crust (B11) Aquatic Invertebrate Hydrogen Sulfide Opxidized Rhizosphe Presence of Reduction Reduction	ves (B9) (e i) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille is Plents (D	xcept MLF Living Roo \$) d Solls (C6	Secondaria	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saluration (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Atgal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial In		Water-Stained Leave 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide O Dividized Rhizosphe Presence of Reduct Recent Iron Reduct Stunted or Stressed	ves (B9) (e i) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille is Plents (D	xcept MLF Living Roo \$) d Solls (C6	Secondaria	pndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounda (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Atgal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial In Sparsely Vegetated Concave	magery (B7) (B8)	Water-Stained Leaver 1, 2, 4A, and 4B Sait Crust (B11) Aquatic Invertebrate Hydrogen Sulfide Opticized Rhizospher Presence of Reduct Recent Iron Reduct Stunted or Stressed Other (Explain in Reduct Explain Explain in Reduct Explain Explain in Reduct Explain in Redu	ves (B9) (e i) es (B13) edor (C1) eres along ed fron (C4 ion in Tille is Plants (D emarks)	Living Roots) of Soils (C6	Secondaria	ondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Atgal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (86) Inundation Visible on Aerial In Sparsely Vegetated Concave	magery (B7) (B8)	Water-Stained Leaver 1, 2, 4A, and 4B Sait Crust (B11) Aquatic Invertebrate Hydrogen Sulfide Opticized Rhizospher Presence of Reduct Recent Iron Reduct Stunted or Stressed Other (Explain in Reduct Explain Explain in Reduct Explain Explain in Reduct Explain in Redu	ves (B9) (e i) es (B13) edor (C1) eres along ed fron (C4 ion in Tille is Plants (D emarks)	Living Roots) of Soils (C6	Secondaria	ondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial In Sparsely Vegetated Concave	magery (B7) (B8)	Water-Stained Leaver 1, 2, 4A, and 4B Sait Crust (B11) Aquatic Invertebrate Hydrogen Sulfide Opticized Rhizospher Presence of Reduct Recent Iron Reduct Stunted or Stressed Other (Explain in Reduct Explain Explain in Reduct Explain Explain in Reduct Explain in Redu	ves (B9) (e i) es (B13) edor (C1) eres along ed fron (C4 ion in Tille is Plants (D emarks)	Living Roots) of Soils (C6	Sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec.	pndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial In Sparsely Vegetated Concave Field Observations: Surface Water Present? Water Table Present?		Water-Stained Leaver 1, 2, 4A, and 4B Sait Crust (B11) Aquatic Invertebrate Hydrogen Sulfide Opticized Rhizospher Presence of Reduct Recent Iron Reduct Stunted or Stressed Other (Explain in Reduct Explain Explain in Reduct Explain Explain in Reduct Explain in Redu	ves (B9) (e i) es (B13) edor (C1) eres along ed fron (C4 ion in Tille is Plants (D emarks)	Living Roots) of Soils (C6	Sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec.	pndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Atgal Mat or Crust (B4) iron Deposits (B5) Surface Soil Cracks (86) Inundation Visible on Aerial In Sparsely Vegetated Concave	magery (B7)	Nater-Stained Leaver 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide Opidized Rhizosphe Presence of Reduct Recent Iron Reduct Stanted or Stressed Other (Explain in Reduct Explain in Redu	ves (B9) (e i) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille is Plants (D emarks)	Living Roo i) of Soils (C6 1) (LRR A	Sec RA ————————————————————————————————————	pndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Atgal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial In Sparsely Vegetated Concave Field Observations: Surface Water Present? Water Table Present? Yet (includes capillary fringe)	magery (B7)	Nater-Stained Leaver 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide Opidized Rhizosphe Presence of Reduct Recent Iron Reduct Stanted or Stressed Other (Explain in Reduct Explain in Redu	ves (B9) (e i) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille is Plants (D emarks)	Living Roo i) of Soils (C6 1) (LRR A	Sec RA ————————————————————————————————————	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Atgal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial In Sparsely Vegetated Concave Field Observations: Surface Water Present? Water Table Present? Yet (includes capillary fringe)	magery (B7)	Nater-Stained Leaver 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide Opidized Rhizosphe Presence of Reduct Recent Iron Reduct Stanted or Stressed Other (Explain in Reduct Explain in Redu	ves (B9) (e i) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille is Plants (D emarks)	Living Roo i) of Soils (C6 1) (LRR A	Sec RA ————————————————————————————————————	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Atgal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial In Sparsely Vegetated Concave Field Observations: Surface Water Present? Water Table Present? Yet Saturation Present? Yet (includes capillary fringe) Describe Recorded Data (stream	magery (B7)	Nater-Stained Leaver 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide Opidized Rhizosphe Presence of Reduct Recent Iron Reduct Stanted or Stressed Other (Explain in Reduct Explain in Redu	ves (B9) (e i) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille is Plants (D emarks)	Living Roo i) of Soils (C6 1) (LRR A	Sec RA ————————————————————————————————————	ondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Atgal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial In Sparsely Vegetated Concave Field Observations: Surface Water Present? Water Table Present? Yet Saturation Present? Yet (includes capillary fringe) Describe Recorded Data (stream	magery (B7)	Nater-Stained Leaver 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide Opidized Rhizosphe Presence of Reduct Recent Iron Reduct Stanted or Stressed Other (Explain in Reduct Explain in Redu	ves (B9) (e i) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille is Plants (D emarks)	Living Roo i) of Soils (C6 1) (LRR A	Sec RA ————————————————————————————————————	ondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Sampling Date. Project/Site Applicant/Owner State _____ Sampling Point Section, Township, Range Investigator(s) Local relief (concave, convex, none). Slope (%) Landform (hilistope terrace, etc.) Subregion (LRR) Soil Map Unit Name NWI classification. Are climatic / hydrologic conditions on the site typical for this time of year? Yes K No. (If no, explain in Remarks.) Are Vegetation _____ Soil _____, or Hydrology _____ (gnificantly disturbed? Are "Normal Circumstances" present? Yes ____ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Welland Hydrology Present? VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size _____) % Cover Species? Status Number of Cominant Species (A) That Are OBL. FACW, or FAC. Total Number of Dominant Species Across All Strata Percent of Dominant Species = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: Total % Cover of Multiply by OBL species FAC species _____ FACU species = Total Cover UPL species x 5 = _____ Column Totals (A) (B) Prevalence index = B/A = _____ Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.0° ___ Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? __= Total Cover % Bare Ground in Herb Stratum Remarks

sampling Point

2-14 1045-34 11	Redox Features Color (moist) % Type Loc²	Texture Remarks
	001·	
214 10A234 TC	wh+/++ 201.	
ype: C=Concentration, D=Depletion, Ri ydric Soil Indicators: (Applicable to a	M=Reduced Matrix, CS=Covered or Coated Sand G	rains. *Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis*:
•		•
_ Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2) Black Histic (A3)	Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLRA 1)	Red Parent Material (TF2)
Black Mistic (A3) Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
estrictive Layer (if present):		
Туре:		· ·
Depth (inches).		Hydric Soll Present? Yes No
/DROLOGY /etland Hydrology Indicators:		
rimary Indicators (minimum of one requir	ed check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (89) (except ML	
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
_ Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
_ Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
_ Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (CS
Drift Deposits (B3)	Oxidized Rhizospheres along Living Ro	ots (C3) Geomorphic Position (D2)
_ Algal Mal or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (85)	Recent Iron Reduction in Tilled Soils (Ci	
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A	
_ Inundation Visible on Aerial Imagery (Frost-Heave Hummocks (D7)
	(B8)	
_ Sparsely Vegetated Concave Surface		
		
Sparsely Vegetated Concave Surface eld Observations: urface Water Present? Yes	No Depth (inches).	
Sparsely Vegetated Concave Surface eld Observations: urface Water Present? Yes //ater Table Present? Yes	No Depth (inches):	∀
Sparsely Vegetated Concave Surface leld Observations: urface Water Present? Yes	No Depth (inches):	land Hydrology Present? Yes No
Sparsely Vegetated Concave Surface eld Observations: urface Water Present? /ater Table Present? aturation Present? poliudes capillary fringe)	No Depth (inches):	
Sparsely Vegetated Concave Surface eld Observations: urface Water Present? /ater Table Present? Yes aturation Present? Yes Includes capillary fringe) escribe Recorded Data (stream gauge, re	No Depth (inches): Wet	
Sparsely Vegetated Concave Surface eld Observations: urface Water Present? /ater Table Present? aturation Present? poliudes capillary fringe)	No Depth (inches): Wet	

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site __ State Sampling Point Applicant/Owner ___ Section, Township, Range. Investigator(s) Local relief (concave, convex, none) ______ Stope (%) ____ Landform (hillstope ferrace, etc. Long: _____ Datum Subregion (LRR) NWI classification. Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation _____ Soil ____ or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? N٥ Weiland Hydrology Present? Remarks VEGETATION – Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size Number of Dominant Species That Are OBL FACW, or FAC. Total Number of Dominant Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size ______) Prevalence index worksheet: Total % Cover of Multiply by OBL species x1 = FACW species ___ FAC species FACU species = Total Cover UPL species x 5 = Column Totals _____ (A) ____ (B) Prevalence Index = B/A = _ Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3 0° ____ Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) ___ Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? ____= Total Cover % Bare Ground in Herb Stratum Remarks

OIL		Sampling Point:
•	epth needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type Loc²	Texture Remarks
		Textore (Textor)
	K77/6	
LA WALL		
CIA HAMAS	TRIVIAL 251	
MA MUMO	104706 30%	
······································		
Type: C=Concentration, D=Deptetion, R Tydric Soil Indicators: (Applicable to a	M=Reduced Matrix, CS=Covered or Coated Sand Gra	ins. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solls ³ :
Histosol (A1)	Sandy Redox (S5)	·
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present.
Restrictive Layer (If present):	Redux Daylessions (1 0)	unless disturbed or problematic.
restrictive cayer (ii prosont).		
Type		
Type:		Hudric Soil Prosper? Yes No.
Type		Hydric Soil Present? Yes No
Depth (inches). Remarks YDROLOGY Wetland Hydrology Indicators:		
Depth (inches). Remarks YDROLOGY Wetland Hydrology Indicators:	red: check all that apply)	Secondary Indicators (2 or more required)
Depth (inches). Remarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requi		Secondary Indicators (2 or more required)
Pepth (inches). YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one requi	red: check all that apply) Water-Stained Leaves (B9) (except MLR	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2
Pepth (inches). YDROLOGY Yetiand Hydrology Indicators: Yimary Indicators (minimum of one requi	red: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) A Water-Stained Leaves (88) (MLRA 1, 2)
Pepth (inches). YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3)	red: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) A
Per Marks YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	red: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheras along Living Root	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C
Pepth (inches). YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	red: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheras along Living Root Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) A Water-Stained Leaves (89) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C 5 (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Permarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mat or Crust (B4) Iron Deposits (B5)	red: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	Secondary Indicators (2 or more required) A
Permarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	red: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Siunted or Stressed Plants (D1) (LRR A)	Secondary Indicators (2 or more required) A
Pepth (inches). Vertand Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Tabla (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algai Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery	red: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) SIunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) A
Permarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeriat Imagery Sparsely Vegetated Concave Surface	red: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) SIunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) A
Permarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aeriat Imagery Sparsely Vegetated Concave Surface Ield Observations:	red: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Situnted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) A
Permarks YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Ield Observations:	red: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits (C6) Sitinted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8)	Secondary Indicators (2 or more required) A
Permarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Valer Table Present? Yes Valer Table Present? Yes	red: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) No Depth (inches):	Secondary Indicators (2 or more required) A
Permarks YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Iteld Observations:	red: check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Satt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) (B7) Other (Explain in Remarks) (B8) No Depth (inches):	Secondary Indicators (2 or more required) A

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site Applicant/Owner Investigator(s) Section, Township, Range Landform (hillstope, terrace, etc.) Local relief (concave, convex, none) _____ Slope (%) Subregion (LRR) Soil Map Unit Name NWI classification. Are climatic / hydrologic conditions on the site typical for this time of year? Yes XNo (If no, explain in Remarks.) Are Vegetation _____. Soil _____, or Hydrology _____ significantly disturbed? Are 'Normal Circumstances' present? Yes Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophylic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Welland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant Species Across Ali Strata Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: Total % Cover of Multiply by OBL species x1= FACW species = Total Cover FACU species UPL species x 5 = _____ Column Totals _____ (A) _____ (B) Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% Prevalence Index is \$3.01 'Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Weiland Non-Vascular Plants Problematic Hydrophytic Vegetation¹ (Explain) 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation

____ = Total Cover

Present?

Remarks

% Bare Ground in Herb Stratum

ofile Description: (Describe to the de	pth needed to document the indicator or confir	m the absence of indicators.)
epth <u>Matrix</u>	Redox Features	_
nches) Color (moist) %	Color (moist) % Type Lpc2	Texture Remarks
)-10 1016313_I	D7.	
	,	
277 101602	115 162/10 2012	
ra maria	Maria —	
	`	
		
C-Constanting On Decision PA	M=Reduced Matrix, CS=Covered or Coated Sand (Grains. 2Location: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to a	If LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Solis':
Histosof (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA	1) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
_ Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
_ Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present. unless disturbed or problematic.
Sandy Gleyed Matrix (S4) estrictive Layer (If present):	Redux Depressions (1 0)	unless distanced of problematic.
Type:		Hudric Soll Prosent? Yes No X
Depth (inches)emarks		Hydric Sall Present? Yes No
Depth (inches).		Hydric Soll Present? Yes NoX
Depth (inches):emarks /DROLOGY		Hydric Sall Present? Yes NoX
Depth (inches): emarks /DROLOGY /etland Hydrology Indicators:	red_check all that apply)	
Depth (inches). emarks *DROLOGY **Petland Hydrology Indicators: rimary Indicators (minimum of one require	red_check all that apply) Water-Stained Leaves (B9) (except M	Secondary Indicators (2 or more required)
Pepth (inches). emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1)		Secondary Indicators (2 or more required)
Depth (inches). emarks *DROLOGY **Petland Hydrology Indicators: rimary Indicators (minimum of one require	Water-Stained Leaves (B9) (except M	Secondary Indicators (2 or more required) ILRA Water-Stained Leaves (B9) (MLRA 1,
Depth (inches). emarks /DROLOGY /etiand Hydrology Indicators: rimary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) ILRA Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
Depth (inches). emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11)	Secondary Indicators (2 or more required) ILRA Water-Stained Leaves (B9) (MLRA 1,
Depth (inches). emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13)	Secondary Indicators (2 or more required) ILRA
Depth (inches). emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) ILRA
Depth (inches). emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soits (Secondary Indicators (2 or more required) ILRA
Pepth (inches). emarks POROLOGY Petland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (Stunted or Stressed Plants (D1) (LRR	Secondary Indicators (2 or more required) ILRA
Popular (Inches). Popular (Inch	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (Stunted or Stressed Plants (D1) (LRR (B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) ILRA
Pepth (inches). emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (Stunted or Stressed Plants (D1) (LRR (B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) ILRA
Depth (inches). emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface ield Observations:	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (Stunted or Stressed Plants (D1) (LRR (B8)	Secondary Indicators (2 or more required) ILRA
Pepth (inches). emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface ield Observations: urface Water Present? Yes	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (Stunted or Stressed Plants (D1) (LRR (B7) Other (Explain in Remarks) (B8)	Secondary Indicators (2 or more required) ILRA
Pepth (inches). emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface leid Observations: urface Water Present? /eter Table Present? Yes //eter Table Present?	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (Stunted or Stressed Plants (D1) (LRR (B7) Other (Explain in Remarks) (B8) No Depth (inches):	Secondary Indicators (2 or more required) ILRA
Pepth (inches). emarks Portional Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface (B1) Vegetated Concave Surface (B2) Valer Table Present? Yes aturation Present?	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (Stunted or Stressed Plants (D1) (LRR (B7) Other (Explain in Remarks) (B8) No Depth (inches):	Secondary Indicators (2 or more required) ILRA
Pepth (inches). emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aigal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface (B1) Valer Table Present? Yes aturation Present? Yes polydes capillary fringe)	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (Stunted or Stressed Plants (D1) (LRR (B7) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) ILRA
Pepth (inches). emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aigal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface (B1) Valer Table Present? Yes aturation Present? Yes polydes capillary fringe)	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (Stunted or Stressed Plants (D1) (LRR (B7) Other (Explain in Remarks) (B8) No Depth (inches):	Secondary Indicators (2 or more required) ILRA
Pepth (inches). emarks /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aigal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface (B1) Valer Table Present? Yes aturation Present? Yes polydes capillary fringe)	Water-Stained Leaves (B9) (except M 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (Stunted or Stressed Plants (D1) (LRR (B7) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) ILRA

WETLAND DETERMINAT	ION DATA FORM	– Western Mour	ntains, Valleys, an	d Coast Region
Project/Sile POZ	City	y/County. Class	llam	Sampling Date 3.19.1
Applicant/Owner	\bigcap		-	Sampling Point
Investigator(s)	Se	ction, Township, Ran	noe	
Landform (hillslope, terrace, etc.)	och 10	ical relief (concave, c	onvex, none)	F Slope (%) 5-1
Subregion (LRR)		1 .		Datum
Soil Map Unit Name				cation.
Are climatic / hydrologic conditions on the site type		Yes K No	(If no, explain in f	
Are Vegetation Soil or Hydrology	spnificantly dis	turbed? Are I	Normal Circumstances"	present? Yes No K
Are Vegetation Soil, or Hydrology	naturally proble	ematic? (If nea	eded, explain any answi	ers in Remarks.)
SUMMARY OF FINDINGS - Attach sit	te man showing sa	amplina point ic	ocations transects	s important features etc
				- The state of the
	No _	is the Sampled		
Hydric Soil Present? Yes _ Welland Hydrology Present? Yes _	X No	within a Wetlan	d? Yes	No <u>X</u> _
Remarks.	<u> </u>			
				pamentuga kangga ka mga angga ngganga ka ka ana ka kana ka kana da ka ka a da mara ka ka a da mara a mara a sa
VEGETATION – Use scientific names	of plants.			
Tree Stralum (Plot size)	Absolute D	Ominant Indicator	Dominance Test wor	ksheet:
Tree Stralum (Plot size)			Number of Dominant S That Are OBL, FACW,	
2			Total Number of Domi	nant
3			Species Across All Str	ata (B)
4	=	Total Cover	Percent of Dominant S That Are OBL: FACW,	
Sapling/Shrub Stratum (Plot size			Prevalence index wo	rkaheet:
2			Total % Cover of	
3		,	OBL species	x1=
4			FACW species	x2 = 30
5		 `	FAC species	x 3 = 13
Hoth Stratum (RIOI 5179	=	Total Cover	FACU species	x4= <u>7-4()</u>
Helb Stratum (Plot Size Alonora de	2_30_	x FFCU	UPL species Column Totals	(A) 335 (B)
2 DAUCUS CAROTT	30-	r BACU		>2
3 HUDOCHAPIRIS PADIC	<u> </u>		Prevalence Inde	
· The Fourt SPP	<u> </u>		Hydrophytic Vegetat	
5 LANUCULUS' 5	pp -10		Dominance Test i	
6				aptations' (Provide supporting
7		·		ks or on a separate sheet)
9			Wetland Non-Vas	
10			, —	ophytic Vegetation (Explain)
11			Indicators of hydric so be present, unless dis	oil and wetland hydrology must iturbed or problematic
	<u>75.</u>	Total Cover		· · · · · · · · · · · · · · · · · · ·
Woody Vine Stratum (Plot size		•	6.1	
1			Hydrophytic Vegetation	\
2		Total Cover	Present? Y	es No
% Bare Ground in Herb Stratum			[
Remarks		· · · · · · · · · · · · · · · · · · ·		

Sampling Point: <u>K12</u>

Dooth Marie	th needed to document the indicator or confirm	the abbenios of managers.
Depth <u>Matrix</u>	Redox Features	
(inches) Color (moist) %	Color (moist) % Type' Loc²	<u>Texture</u> Remarks
A TOTAL TOTAL		
10-12 1014-212 100) (6	
SID THIRDY		
104 104 10 10 10 10 10 10 10 10 10 10 10 10 10	111 12 10 10 10 10 10 10 10 10 10 10 10 10 10	
	100kg 210 TO 1.	
	- Control Marin CS-Coursed to Control Review	2
Hydric Soil Indicators: (Applicable to all	Reduced Matrix, CS=Covered or Coated Sand Gr	sins. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis ³ :
Historol (A1)	Sandy Redox (S5)	·
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	one (colons a transms)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	`
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (\$4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (If present):		
Туре		
Depth (inches).		Hydric Soll Present? Yes No
Remarks	and the second s	
HYDROLOGY		
		· · · · · · · · · · · · · · · · · · ·
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one require	check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)		
	Water-Stained Leaves (B9) (except MLF	RA Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	1, 2, 4A, and 4B) Salt Crust (B11)	4A, and 4B) Drainage Patterns (B10)
Saturation (A3) Water Marks (B1)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	1, 2, 4A, and 4B) Sait Crust (B11) Aquatic invertebrates (B13) Hydrogen Sulfide Odor (C1)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) tron Deposits (B5)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) fron Deposits (B5) Surface Soit Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Situnted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) fron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present?	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) B8)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Yes	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Slunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches). Depth (inches).	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches) No Depth (inches) Wetta	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Slunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches). Depth (inches).	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, mo	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Situnted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches) No Depth (inches) No Depth (inches) Wetta	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, mo	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Situnted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches) No Depth (inches) No Depth (inches) Wetta	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, mo	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Situnted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches) No Depth (inches) No Depth (inches) Wetta	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, mo	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Situnted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches) No Depth (inches) No Depth (inches) Wetta	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, mo	1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Situnted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches) No Depth (inches) No Depth (inches) Wetta	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site Applicant/Owner __ Sampling Point investigator(s) Section, Township, Range Landform (hillslope, terrace, etc.) Local relief (concave, convex, none) ______ Slope (%) _ Subregion (LRR) Long ____ Soil Map Unit Name ___ ____ NWI classification. No _____ (If no, explain in Remarks) Are Vegetation _____ Soil _____ or Hydrology _____ significantly disturbed? Are Normal Circumstances" present? Yes Are Vegetation Soil or Hydrology naturally problematic? (if needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area __ No _ Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species That Are OBL, FACW, or FAC Total Number of Dominant Species Across Ali Strata __ (B) Percent of Dominant Species ____ = Total Cover That Are OBL. FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet Total % Cover of Multiply by OBL species FACW species ___ FAC species = Total Cover FACU species Column Totals _____ (A) _____ (B) - Prevalence index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.0° __ · Morphological Adaptations ' (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. ___= Total Cover Woody Vine Stratum (Plot size ____ Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum ____ Remarks

8	0	۱	ı

Sampling Point: 413

	th needed to document the indicator or confl	
Depth Matrix	Redox Features	·
(inches) Color (moist) %	Color (moist) % Type Loc2	Texture Remarks
11-12 11 1672 100.	[,	
		
STA TRIBACIO	especially value	-
210 100 CO	1014/10 10 (·	
<u> </u>	<u> </u>	
¹Type: C=Concentration, D=Depletion, RM:	Reduced Matrix, CS=Covered or Coated Sand	Grains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all		indicators for Problematic Hydric Soils3:
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Losmy Mucky Mineral (F1) (except MLRA	1) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (If present):		
Туре:		le le
Depth (inches):		Hydric Soli Present? Yes No
11/2004 001/		
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1)	Water-Stained Leaves (B9) (except N	MLRA Water-Stained Leaves (89) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (89) (except N 1, 2, 4A, and 4B)	MLRA Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except N 1, 2, 4A, and 4B) Satt Crust (B11)	MLRA Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (810)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	 Water-Stained Leaves (B9) (except N 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) 	MLRA Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2)
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WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site State Sampling Point Applicant/Owner ____ Investigator(s) Section, Township, Range _____ Slope (%) _ Landform (hillslope, terrace, etc.) ___ Local relief (concave, convex, none) ___ Subregion (LRR) _ Datum ___ __NWI classification _ Soil Map Unit Name ___ No _____ (If no, explain in Remarks 1 Are Vegetation _____. Soit _____ or Hydrology _____ agnificantly disturbed? Are 'Normal Circumstances' present? Yes ___ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Welland Hydrology Present? No Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species That Are OBL, FACW, or FAC (A) Total Number of Dominant Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: Total % Cover of Multiply by OBL species **FACW** species FAC species FACU species = Total Cover Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.01 · Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic 十〇 = Total Cover Woody Vine Stratum (Plot size ____ Hydrophytic Vegetation Present? __= Total Cover % Bare Ground in Herb Stratum _ Remarks

	e to the depth needed to docum		or contirm the	apsence of indi	cators.}	
Depth Matrix (inches) Color (moist)		x Features		•- •		
(inches) Color (moist)	% Color (moist)	<u>%</u> <u>Туре</u>	Loc' T	exture	Remarks	
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voe: C=Concentration D=De	pletion, RM=Reduced Matrix, CS	ECoupred or Conto		21 1	DI =0 + i-i +	4-14-4
	cable to all LRRs, unless other		o Sano Grains.		PL=Pore Lining, N Problematic Hydi	
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Histic Epipedon (A2)	Stripped Matrix			2 cm Muck	(A10) t Material (TF2)	
Black Histic (A3)		dineral (F1) (except	MLRA 1)	_	lain in Remarks)	
_ Hydrogen Sulfide (A4)	Loamy Gleyed			011.01 (EXP	out in recinario	
Depleted Below Dark Surfa	ice (A11) Depleted Matrix	(F3)		•		
_ Thick Dark Surface (A12)	Redox Dark Sui	rlace (F6)		Indicators of hy	drophytic vegetal	ion and
 Sandy Mucky Mineral (S1) 	Depleted Dark S	Surface (F7)		wetland hyd	rology must be pre	esent.
_ Sandy Gleyed Matrix (\$4)	Redox Depress	ions (F8)		unless disturbed or problematic.		
estrictive Layer (if present):						
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estrictive Layer (if present): Type: Depth (inches): emarks			Ну	ydric Soll Prese	nt? Yes _	No <u>X</u>
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Type:	one required; check all that apply Water-Stai	y) ined Leaves (B9) (a: v, and 4B)		ydric Soll Preser Secondary in Water-St	idicators (2 ar mol lained Leaves (89 nd 48)	_
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Type:	one required check all that apply Water-Stai Salt Crust i Aquatic inv	y) ined Leaves (B9) (e: a, and 4B) (B11) vertebrates (B13)		ydric Soll Preser Secondary ir Water-St 4A, a Drainage Dry-Sea	idicators (2 ar mol lained Leaves (89 nd 48) Patterns (810) son Water Table () (MLRA 1,
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Type: Depth (inches): emarks TDROLOGY etland Hydrology Indicators smary indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	one required check all that apply Water-Stail 1, 2, 4A Salt Crust in Aquatic inv Hydrogen 3 Oxidized R Presence con Recent iron	ned Leaves (B9) (a. and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres along to Reduced Iron (C4) n Reduction in Tiller	xcept MLRA Living Roots (C	Secondary in Water-Si 4A, a Drainage Dry-Sea Seturation Shallow FAC-Net	idicators (2 ar moi lained Leaves (89 nd 48) Patterns (810) son Water Table (on Visible on Aeria phic Position (D2) Aquitard (D3)) (MLRA 1, C2) il Imagery (C
Type: Depth (inches): emarks DROLOGY ettand Hydrology Indicators imary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	one required check all that apply Water-Stail 1, 2, 4A Salt Crust in Aquatic inv Hydrogen 3 Oxidized R Presence con Recent Iron Stunted or	ned Leaves (B9) (e. and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres along to like the condition (C4) in Reduction in Tilled Stressed Plants (D	xcept MLRA Living Roots (C	Secondary in Secondary in Water-Si 4A, a Drainage Dry-Sea Saturatio Shallow FAC-Nee Raised A	idicators (2 ar moi lained Leaves (89 nd 48) Patterns (810) son Water Table (on Visible on Aeria phic Position (D2) Aquitard (D3) atral Test (D5)) (MLRA 1, C2) il Imagery (C
Type: Depth (inches): emarks DROLOGY etland Hydrology Indicators imary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial	one (equired: check all that apply — Water-Stail 1, 2, 4A — Salt Crust in Aquatic line — Hydrogen: — Oxidized R — Presence of Recent Iron — Stunted or — Imagery (B7) — Other (Exp.	ned Leaves (B9) (a. and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres along to Reduced Iron (C4) n Reduction in Tiller	xcept MLRA Living Roots (C	Secondary in Secondary in Water-Si 4A, a Drainage Dry-Sea Saturatio Shallow FAC-Nee Raised A	idicators (2 ar moi lained Leaves (89 nd 48) Patterns (810) son Water Table (on Visible on Aeria phic Position (D2) Aquitard (D3)) (MLRA 1, C2) il Imagery (C
Type:	one (equired: check all that apply — Water-Stail 1, 2, 4A — Salt Crust in Aquatic line — Hydrogen: — Oxidized R — Presence of Recent Iron — Stunted or — Imagery (B7) — Other (Exp.	ned Leaves (B9) (e. and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres along to like the condition (C4) in Reduction in Tilled Stressed Plants (D	xcept MLRA Living Roots (C	Secondary in Secondary in Water-Si 4A, a Drainage Dry-Sea Saturatio Shallow FAC-Nee Raised A	idicators (2 ar moi lained Leaves (89 nd 48) Patterns (810) son Water Table (on Visible on Aeria phic Position (D2) Aquitard (D3) atral Test (D5)) (MLRA 1, C2) il Imagery (C
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Type: Depth (inches): emarks /DROLOGY /etiand Hydrology Indicators rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Sparsely Vegetated Conca etd Observations: urface Water Present?	one (equired check all that apply Water-Stai 1, 2, 4A Salt Crust Aquatic inv Hydrogen Oxidized R Presence of Recent Irod Stunted or Imagery (B7) Ve Surface (B8) Depth (inc	ined Leaves (B9) (e: and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres along to for Reduced fron (C4) in Reduction in Tilled Stressed Plants (Distain in Remarks)	xcept MLRA Living Roots (C	Secondary in Secondary in Water-Si 4A, a Drainage Dry-Sea Saturatio Shallow FAC-Nee Raised A	idicators (2 ar moi lained Leaves (89 nd 48) Patterns (810) son Water Table (on Visible on Aeria phic Position (D2) Aquitard (D3) atral Test (D5)) (MLRA 1, C2) il Imagery (C
Type: Depth (inches): emarks /DROLOGY /etiand Hydrology Indicators rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Sparsely Vegetated Conca eld Observations: urface Water Present?	One required check all that apply Water-Stail 1, 2, 4A Salt Crust in Aquatic inv Hydrogen in Oxidized R Presence on Recent Iron Stunted or Itmagery (B7) Other (Exp Ves No Depth (incomes)	ined Leaves (B9) (e: a, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres along of Reduced Iron (C4 in Reduction in Tilled Stressed Plants (Distain in Remarks)	Living Roots (Ci) d Soits (C6) 1) (LRR A)	Secondary if Water-Si 4A, a Drainage Dry-Sea: Saturation Shallow FAC-Net Raised A	idicators (2 or more lained Leaves (B9 and 4B) Patterns (B10) son Water Table (on Visible on Aeria phic Position (D2) Aquitard (D3) utral Test (D5) ant Mounds (D6) (ave Hummocks (I	C2) ii Imagery (C
Type: Depth (inches): emarks PROLOGY Petland Hydrology Indicators rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Sparsely Vegetated Conca eld Observations: inface Water Present? aturation Present?	one (equired check all that apply Water-Stai 1, 2, 4A Salt Crust Aquatic inv Hydrogen Oxidized R Presence of Recent Irod Stunted or Imagery (B7) Ve Surface (B8) Depth (inc	ined Leaves (B9) (e: a, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres along of Reduced Iron (C4 in Reduction in Tilled Stressed Plants (Distain in Remarks)	Living Roots (Ci) d Soits (C6) 1) (LRR A)	Secondary in Secondary in Water-Si 4A, a Drainage Dry-Sea Saturatio Geomory Shallow FAC-Net Raised A	idicators (2 or more lained Leaves (B9 and 4B) Patterns (B10) son Water Table (on Visible on Aeria phic Position (D2) Aquitard (D3) utral Test (D5) ant Mounds (D6) (ave Hummocks (I) (MLRA 1, C2) il Imagery (C
Type: Depth (inches): emarks /DROLOGY /etiand Hydrology Indicators rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Sparsely Vegetated Conca eld Observations: urface Water Present? later Table Present? acturation Present? includes capillary fringe)	One required check all that apply Water-Stail 1, 2, 4A Salt Crust in Aquatic inv Hydrogen in Oxidized R Presence on Recent Iron Stunted or Itmagery (B7) Other (Exp Ves No Depth (incomes)	ined Leaves (B9) (e: a, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres along of Reduced Iron (C4 in Reduction in Tilled Stressed Plants (Distain in Remarks) ches):	xcept MLRA Living Roots (Ci) d Soils (C6) 1) (LRR A) Wetland I	Secondary in Secondary in Water-Si 4A, a Drainage Dry-Sea: Saturation Shallow FAC-Net Raised A Frost-He	idicators (2 or more lained Leaves (B9 and 4B) Patterns (B10) son Water Table (on Visible on Aeria phic Position (D2) Aquitard (D3) utral Test (D5) ant Mounds (D6) (ave Hummocks (I	C2) ii Imagery (C

Project/Sile		(Dity/County	C_{100}	lan	Samolin	a Data 3.	19.1
Applicant/Owner	1500				t t	Samplin		45
Investigator(s)	75		Section, Tox	waship, Ran	ge			<u></u>
· /								361
Subregion (LRR)					,			
Soil Map Unit Name Are climatic / hydrologic conditions on								
								L
Are Vegetation Soil o					Iormal Circumstani			No -1
Are Vegetation Soil C	or Hydrology r	naturally proi	blematic?	(If nee	ded, explain any a	nswers in Rem	iarks.)	
SUMMARY OF FINDINGS	Attach site map	showing	sampling	g point lo	cations, trans	ects, impo	tant featu	res, etc
Hydrophytic Vegetation Present? Hydric Soli Present? Wetland Hydrology Present? Remarks	Yes N Yes N Yes N	10 X		e Sampled /		No	<u> </u>	
VEGETATION - Use scientifi)	Absolute % Cover		Status	Dominance Test	ant Species	1	
2				,	That Are OBL, FA			(A)
3					Total Number of E Species Across A		4	(B)
4			= Total Co	ver	Percent of Domini That Are OBL FA		25	/ - (A/B
Sapling/Shrub Stratum (Plot size				-	Prevalence Index	worksheet		
2				,	Total % Cove		Multiply by	
3					OBL species		1 =	
4				[FACW species _	×	2 =	
5					FAC species _	×	3 =	
			= Total Co	ver	FACU species _	x	4 =	
Herb Stratum (Pipt size	ā	Lln	L	ഥ	UPL species	x	5 =	
Bucantronun	<u>Luugac</u>	- 78			Column Totals _	(#	·)	(B)
DAICUS CARC	<i>1</i> 1→	- I	~~	200	Prevalence	Index = 8/A =		
3 D. GIOYNOTHIH	200	- 	- -\		Hydrophytic Veg			
13304001102	I Currate	- - 12		FOU	Dominance T			
5 17 201208: 8:0	COCICCIO	- 10		F00	Prevalence Ir			
7					· Morphologica	l Adaptations ¹		
В					Wetland Non		•	.,
9						lydrophytic Ve		(plain)
10.					Indicators of hyd			
11		- 1555			be present, unles			
Woody Vine Stratum (Plot size	Y	100	= Total Cov	rer			-	·
1					Hydrophytic			
					Vegetation	Yes	No X	
2								
2			= Total Cov	rer	Present?	169	. NO <u>/ Q.</u>	_

SO	IL
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Sampling Point: <u>115</u>

Depth Matrix		the absence of indicators.)
	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc2	Texture Remarks
Mark Termate Te		
12-14 104h012 10C)7,	
	,	
714 TIDIDENS	Toun+16 26.	
THE POPLACE.	104-110-90-	
T 0 C		<u> </u>
Type: C=Concentration, D=Depletion, RMI Tydric Soll Indicators: (Applicable to all	Reduced Matrix, CS=Covered or Coated Sand Gr	· · · · · · · · · · · · · · · · · · ·
Histosof (A1)	Sandy Redox (S5)	indicators for Problematic Hydric Solis':
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10)
Black Histic (A3)	Losmy Mucky Mineral (F1) (except MLRA 1)	Red Parent Material (TF2) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Oner (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depieted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (If present):		
Type:		1
Depth (inches)		Hydric Soil Present? Yes No
YDROLOGY Vetland Hydrology Indicators:		
Primary Indicators (minimum of one required	d check all that apoly)	Specification (2 or more constitute)
Surface Water (A1)	Water-Stained Leaves (B9) (except MLF	Secondary Indicators (2 or more required)
High Water Table (A2)	1, 2, 4A, and 4B)	
Saturation (A3)	Salt Crust (B11)	4A, and 4B)
Water Marks (B1)		Decisions Ballaces (BAC)
		Drainage Patterns (B10)
-	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9
Sediment Deposits (B2) Drift Deposits (B3)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Its (C3) Geomorphic Position (D2)
Sediment Deposits (B2)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4)	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Sts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6)	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Sts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6) Stunted or Stressed Plants (D1) (LRR A)	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Sts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Sts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (E	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Sts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A)
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Sediment Deposits (B2) Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B6) ield Observations: urface Water Present? Yes	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (Inches).	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Sts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (Bield Observations: surface Water Present? Yes Nater Table Present?	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches):	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 sts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (Bield Observations: surface Water Present? Vater Table Present? Auturation Present? Yes And the present of the pres	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) O Depth (inches): Depth (inches): Wetla	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Shallow Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B6) Guidace Water Present? Vater Table Present? Saturation Present? Seturation Present?	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches):	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Surface Water Present? Yes	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) O Depth (inches): Depth (inches): Wetla	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (Bield Observations: urface Water Present? Yes	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) O Depth (inches): Depth (inches): Wetla	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B6) Guidace Water Present? Vater Table Present? Saturation Present? Seturation Present?	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) O Depth (inches): Depth (inches): Wetla	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Shallow Aquitand (D2) Shallow Aquitand (D3) FAC-Neutral Test (D5) Raised Ani Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site . Applicant/Owner ____ State _____ Sampling Point Section, Township, Range investigator(s) Local relief (concave, convex, none) ______ Slope (%) Landform (hillslope terrace, etc.) ____ Datum. ___ Subregion (LRR) __ NWI classification. __ Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes ______ No _____ (If no, explain in Remarks.) Are Vegetation _____ Soil ____ or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? No Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size _____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC Total Number of Dominant Species Across All Strata Percent of Dominant Species = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size _____) Prevalence Index worksheet: Total % Cover of Multiply by **OBL** species **FACW** species FAC species FACU species = Total Cover UPL species Column Totals Prevalence Index = B/A = Thydrophytic Vegetation Indicators: ___ Dominance Test is >50% Prevalence Index is \$3.0° ____ · Morphological Adaptations ' (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? __= Total Cover % Bare Ground in Herb Stratum ____

Remarks

Sampling Point: 1616

Depth Matrix (inches) Cotor (moist) %		the absence of indicators.)
(inches) Cotor (moist) %	Redox Features	
	Color (moist) % Type Loc ²	Texture Remarks
THE THEATS TO	\ \frac{1}{1}	
OR TOUR TOL) 	
		
1/2		
10-10-10-	10 10 17 27	
	1121227	
	104-042-11	
	 -	
Type C=Concentration D=Depleton RA	A=Reduced Matrix, CS=Covered or Coated Sand Gra	21 postion: Oil Door Claim AssAssail
Hydric Soil Indicators: (Applicable to al		ains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis ³ :
Histosol (A1)	Sandy Redox (S5)	-
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Red Parent Material (TF2) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Oner (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (If present):		
Type:		
Depth (inches)		Hydric Soil Present? Yes No V
Remarks		
HYDROLOGY Wetland Hydrology indicators:		
l _		
Primary Indicators (minimum of one require	ed, check all that apply)	Secondary Indicators (2 or more required)
Primary Indicators (minimum of one require Surface Water (A1)		
Surface Water (A1)	ed, check all that apply) Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B)	Water-Stained Leaves (B9) (MLRA 1, 2,
	Water-Stained Leaves (89) (except MLR	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (89) (except MLR 1, 2, 4A, and 4B)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aigal Mat or Crust (B4) Iron Deposits (B5)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aigal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (ES) Sparsely Vegetated Concave Surface Field Observations:	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B1) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present?	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B1) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present?	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B1) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present?	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B0) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B0) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B0) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aigal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m.)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aigal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m.)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Aigal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m.)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (E Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m.)	Water-Stained Leaves (B9) (except MLR 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) (B8) No Depth (inches): Wetla	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WET: AND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region A LAM Sampling Date Project/Site _ State _____ Sampling Point __ Applicant/Owner Section, Township, Range. investigator(s) ____ Local relief (concave, convex, none) ______ Slope (%) ___ Landform (hillstope terrace, etc.) Datum Subregion (LRR) ___ NWI classification. ___ Soil Map Unit Name ___ Are climatic / hydrologic conditions on the site typical for this time of year? Yes . No _____ (If no, explain in Remarks) Are Vegetation _____ Soil ____ or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ___ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Yes X No ... _ No. Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant Species Across All Strala Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of Multiply by OBL species **FACW** species FAC species FACU species = Total Cover UPL species Herb Stratum (Piot size Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.0" · Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) ___ Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum _____ Remarks

SOIL		Sampling Point: +
Profile Description: (Describe to the dep	th needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type Loc²	Texture Remarks
D-13 TOUPH14	104PB/Ce 190	
713 Jaynuta	1016-16 301	
Type. C=Concentration, D=Depletion, RM	Reduced Maliix, CS=Covered or Coated Sand Gra	
Hydric Soil Indicators: (Applicable to all	· ·	indicators for Problematic Hydric Solis ³ :
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2) Black Histic (A3)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3) Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophydic yangtotan and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	Indicators of hydrophytic vegetation and wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		The second secon
Туре:		
Depth (inches).		Hydric Soli Present? Yes No
Remarks YDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one requires	check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (89) (except MLR)	A Water-Stained Leaves (B9) (MLRA 1, 2
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Orainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (CS
Drift Deposits (B3)	 Oxidized Rhizospheres along Living Root 	s (C3) Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)

Other (Explain in Remarks)

_ Depth (inches). No _____ Depth (inches). ___

K No ____ Depth (inches): ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available

Field Observations: Surface Water Present?

Water Table Present?

(includes capillary fringe)

Saturation Present?

Remarks

___ Inundation Visible on Aerial Imagery (B7)

Sparsely Vegetated Concave Surface (88)

Frost-Heave Hummocks (D7)

Wetland Hydrology Present? Yes _____ No.

WETI AND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Lauloum Sampling Date 3.10 Project/Site State Sampling Point Applicant/Owner _ Section, Township, Range. Investigator(s) Local relief (concave, convex, none) ______ Slope (%) Landform (hillslope, terrace, etc.) Subregion (LRR) NWI classification. Soil Map Unit Name ___ Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation _____ Soil _____ or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks VEGETATION – Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator Tree Stratum (Plot size _____) % Cover Species? Status Number of Dominant Species That Are OBL FACW, or FAC Total Number of Dominant (B) Species Across All Strata Percent of Dominant Species That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of Multiply by OBL species **FACW** species FAC species FACU species = Total Cover UPL species Herb Stratum (Plot size Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% Prevalence Index is ≤3 01 _ Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Total Cover Woody Vine Stratum (Plot size _ Hydrophytic Vegetation Present? ≈ Total Cover Remarks

		Sampling Point:
Profile Description: (Describe to the dep	th needed to document the indicator or confirm	the absence of Indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type Loc²	
(inches) Color (moist) %	Color (moist) % Type Loc ²	Texture Remarks
17-11 11516312 16		
on warns to		
रा कार्यद्वान	7157771	
ZII TUMODIA	TORNOTO TO .	
· · · · · · · · · · · · · · · · · · ·		
Type, C=Concentration D=Deplation RM	Reduced Matrix, CS=Covered or Coated Sand Gr	ains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Solls':
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	·
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Redox Dark Surface (F6) Depleted Dark Surface (F7)	Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	wetland hydrology must be present. unless disturbed or problematic.
Restrictive Layer (If present):		uniesa distarbed di problematic.
Туре		,
Depth (inches).		Hydric Soll Present? Yes No
Remarks		
YDROLOGY		
Netland Hydrology Indicators:		
Primary Indicators (minimum of one required		Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except MLR	RA Water-Stained Leaves (B9) (MLRA 1, 2
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	5 5
Water Marks (B1)		Drainage Patterns (B10)
A 21 . A 21 . A A A A A A A A A A A A A A A A A A	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)Saturation Visible on Aerial Imagery (C
Drift Deposits (B3)	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C ts (C3) Geomorphic Position (D2)
Drift Deposits (B3) Algal Mal or Crust (B4)	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4)	 Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3)
Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5)	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits (C6)	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Orift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A)	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Drift Deposits (B3) Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B)	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cits (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I leid Observations:	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches).	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B: Sparsely Vegetated Concave Surface (I leid Observations: Surface Water Present? Ves Vater Table Present?	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Depth (inches):	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cits (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Drift Deposits (B3) Algal Mail or Crust (B4) iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I leid Observations: iuriace Water Present? Yes Vater Table Present? Yes indudes capillary fringe)	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches) Depth (inches): Wetla	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cits (C3) Geomorphic Position (D2) Shallow Aquitard (D3) } FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (Ifield Observations: Surface Water Present? Yes Indicated Water Present? Yes Includes capillary fringe)	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Depth (inches):	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cits (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (Ifield Observations: Surface Water Present? Yes Indicated Present? Yes Includes capillary fringe)	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches) Depth (inches): Wetla	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) } FAC-Neutral Test (D5) Raised Ani Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I Surface Water Present? Yes I Surface Water Present? Yes I Saturation Present? Yes I Suturation Present? Yes I Secribe Recorded Data (stream gauge, mo	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches) Depth (inches): Wetla	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) } FAC-Neutral Test (D5) Raised Ani Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Drift Deposits (B3) Algal Mai or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I leid Observations: urface Water Present? Vater Table Present? Vater Table Present? Auturation Present? Includes capillary fringe) escribe Recorded Data (stream gauge, mo	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches) Depth (inches): Wetla	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) } FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Drift Deposits (B3) Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B: Sparsely Vegetated Concave Surface (Ifield Observations: Surface Water Present? Yes Indicated Present? Yes Includes capillary fringe)	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches) Depth (inches): Wetla	Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cits (C3) Geomorphic Position (D2) Shallow Aquitard (D3) } FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Sampling Date Project/Site ____ State ___ Sampling Point Applicant/Owner ____ Section, Township, Range. Investigator(s) Local relief (conçave, convex, none). _____ Stope (%) ____ Landform (hillslope, terrace, etc.) Datum __ Subregion (LRR) ___ NWI classification Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes. V No (If no, explain in Remarks.) Are Vegetation _____. Soil _____ or Hydrology _____ significantly disturbed? Are 'Normal Circumstances' present? Yes ___ Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Yes No Hydric Soil Present? within a Wetland? Welland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size _____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC. (A) Total Number of Dominant Species Across All Strata (**B**) Percent of Dominant Species ____ = Total Cover That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of Multiply by OBL species FACW species FAC species FACU species = Total Cover Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% Prevalence Index is ≤3 01 ___ Morphological Adaptations' (Provide supporting 10___ data in Remarks or on a separate sheet) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Total Cover Woody Vine Stratum (Plot size _ Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum ____ Remarks

SOIL		Sampling Point:
Profile Description: (Describe to the d	epth needed to document the indicator or confirm	the absence of indicators)
DepthMatrix	Redox Features	.,
(inches) Color (moist) %	Color (moist) % Type Loc²	Texture Remarks
1-1-5 TOURS 21-1	DD.1	
713 1046513	1046410 100	
¹Type: C=Concentration, D=Depletion, R. Hydric Soil Indicators: (Applicable to a	M=Reduced Matrix, CS=Covered or Coated Sand Gr	
Histosol (A1)		Indicators for Problematic Hydric Soils':
Histic Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)	2 cm Muck (A10)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Red Parent Material (TF2)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (If present):		
Type		l ·
Remarks // \		Hydric Soll Present? Yes No
HYDROLOGY	eysh sheen	
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one require	ed, check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except MLR	
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (810)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living Root	s (C3) Geomorphic Position (D2)
Algai Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Anl Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (I		Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface	(B8)	
Field Observations:		
Surface Water Present? Yes	No Depth (inches)	
Water Table Present? Yes	No Depth (inches):	
Saturation Present? Yes	No Depth (inches): Wetla	nd Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, m	f conitoring well, aerial photos, previous inspections), if	
Doubling resoluted Data (Siream gauge, II	ionioniy well acilot protos, previous inspections), i	T #V#IIIADIE
Remarks		
Nemaiks		

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Sampling Date Project/Site (Applicant/Owner _ Section, Township, Range Landform (hillstope ferrace, etc.) Local relief (concave, convex, none). ______ Slope (%) Subregion (LRR) ___ Soil Map Unit Name NWI classification. No __ (If no, explain in Remarks.) Are Vegetation _____. Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size % Cover Species? Status Number of Dominant Species That Are OBL FACW or FAC Total Number of Dominant Species Across All Strata Percent of Dominant Species That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of Multiply by OBL species **FACW species** FAC species FACU species = Total Cover UPL species Column Totals Prevalence Index = B/A = Hydrophytic Vegetation Indicators: __XDominance Test is >50% Prevalence Index is \$3.01 Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheel) Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? ____= Total Cover % Bare Ground in Herb Stratum Remarks

SOIL

Sampling Point: 430

	pth needed to document the indicator or confin	
Depth <u>Matrix</u>	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc²	Texture Remarks
		
17-15 101/164/4		
0-10 100 1-11 1-1-11 1-11 1-11 1-11 1-1		
		
	·	
	·	
Type. C=Concentration, D=Deptetion, Rt	A=Reduced Matrix, CS=Covered or Coated Sand G	irains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to a	II LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Solis ³ :
Histosof (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (If present):		
Туре:		√
Depth (inches).		Hydric Soil Present? Yes No
	The state of the s	
Wetland Hydrology Indicators:	ed check all that apply)	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require	***************************************	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one require</u> <u>Surface Water (A1)</u>	Water-Stained Leaves (B9) (except ML	RA Water-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B)	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Sat Crust (B11)	RA Water-Stained Leaves (89) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (810)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	RA Water-Stained Leaves (B9) (MERA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Dis (C3) Geomorphic Position (D2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rol Presence of Reduced Iron (C4)	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ols (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roi Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ols (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rol Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (Ci Stunted or Stressed Plants (D1) (LRR A	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ols (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (8) Sparsely Vegetated Concave Surface Field Observations:	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roi Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solls (C Stunted or Stressed Plants (D1) (LRR 4) (B8)	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ols (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (ESparsely Vegetated Concave Surface Field Observations:	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (Ci Stunted or Stressed Plants (D1) (LRR 4) Other (Explain in Remarks)	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ols (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Wetland Hydrotogy Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Inundation Visible on Aerial I	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rol Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (Ci Stunted or Stressed Plants (D1) (LRR 4) Other (Explain in Remarks) No Depth (inches): Depth (inches):	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ols (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Separately Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes [includes capillary fringe]	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rol Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (Ci Stunted or Stressed Plants (D1) (LRR 4) Other (Explain in Remarks) No Depth (inches): Depth (inches):	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Separately Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes [includes capillary fringe]	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roi Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solts (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wett	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) DIS (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (8) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes [includes capillary fringe) Describe Recorded Data (stream gauge, minimum of one required to the present gauge, minimum of the present gauge of the present gauge gau	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roi Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solts (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wett	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) DIS (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (8) Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes [includes capillary fringe) Describe Recorded Data (stream gauge, minimum of one required to the present gauge, minimum of the present gauge of the present gauge gau	Water-Stained Leaves (B9) (except ML 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roi Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Solts (C Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wett	Mater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) DIS (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETE	RMINATION DAT	A FORM	- Western Mou	ntains, Valleys, an	d Coast Regio	n
Project/Site:		Cit	y/County <u></u>	Man	_ Sampling Date	3.19.1
Applicant/Owner	550()			State	_ Sampling Point	2 31
Investigator(s)	Z.)	Se	ction, Township, Rai	nge		
/ \				convex, none)		
Subregion (LRR)			1 .			
Soif Map Unit Name				NWI classif		
Are climatic / hydrologic conditions on			i.e	(If no, explain in		
Are Vegetation Soil or			Jurbad? Are	Normal Circumstances"		No K
Are Vegetation Soil or				eded, explain any answ		<u> </u>
				• •	·	
SUMMARY OF FINDINGS - A	Attach site map si	howing s	ampling point l	ocations, transect	s, important fe	atures, etc.
Hydrophytic Vegetation Present?	Yes No	X	la the Complete	A		
Hydric Soil Present?	Yes No		Is the Sampled within a Wetian		No <u>V</u> _	
Welland Hydrology Present?	Yes No	<u>_X_</u>	within a vvettar			-
Remarks						
VEGETATION - Use scientific						
Tree Stratum (Plot size			Dominant Indicator Species? Status	Dominance Test work Number of Dominant		
1				That Are OBL, FACW	, F	<u></u> (A)
2				Total Number of Dom	inant	
3				Species Across All St		(B)
4				Percent of Dominant	Species	
(2)			Total Cover	That Are OBL FACW		(A/B)
Sapling/Shrub Stratum (Plot size				Prevalence Index wo	orksheet:	
2				Total % Cover of	Multip	dy by
3				OBL species	x1=	
4				FACW species	×2 =	26
5				FAC species	x3 = _[33
	1		Total Cover	FACU species	×4 = 4	<u> </u>
Herb Stratum (Plot size		40	x 196	UPL species	100 x5 = 20 200 (A)	
TWINL ILE DISO		20	FOLL	Column Totals	(A)	<u>, , , , , , , , , , , , , , , , , , , </u>
21/10/16CO OCC	ola le	75	LAYU	Prevalence Inde	ex = B/A =	2
Jefoly M 500		15	HAC.	Hydrophytic Vegeta		
5 F. TUDRO		10		Dominance Test		
6 H. radicates		<u> 190 .</u>	17_	Prevalence Index		
7				· Morphological Ad	iaptations" (Provid rks or on a separat	e supporting e sheet)
6				Wetland Non-Va	•	
9				Problematic Hyd		າ້ (Explain)
10				'Indicators of hydric s		
11		120:	Total Cover	be present, unless di	sturbed or problem	atic
Woody Vine Stratum (Plot size)		. 5.6. 50451			
1				Hydrophytic		
2				Vegetation Present?	Yes No	
	≍ 1.	- =	Total Cover			_
% Bare Ground in Herb Stratum	<u> </u>	. 		<u> </u>		
Remarks						
1						

Profile Description: (Describe to the de		Sampling Point: 4
	epth needed to document the indicator or confirm	the absence of indicators.)
Depth <u>Matrix</u>	Redox Features	,
(inches) Color (moist) %	Color (moist) % Type Loc ²	Texture Remarks
0-12 10419414 10		
712 IDUPLE12	tolholie 76:1.	
Type: C=Concentration D=Depletion PI	Mr. Roduced Marking CC-Co.	
Hydric Soil Indicators: (Applicable to a	M=Reduced Matrix, CS=Covered or Coated Sand Gra	
Histosol (A1)	Sandy Redox (S5)	Indicators for Problematic Hydric Soils3:
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Care (Explain in Remaiks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present.
Restrictive Layer (if present):		unless disturbed or problematic.
Type		
Depth (inches)		Attuation to the Processing of
Remarks	to a company of the control of the c	Hydric Soll Present? Yes No K
YDROLOGY Wetland Hydrology Indicators		
Primary Indicators (minimum of one require		
The second of th	ed, check all (hat apply)	Secondary Indicators (2 or more sequined)
Surface Water (A1)		Secondary Indicators (2 or more required) Water Stained Legues (RR) (MLRA 1
	ed_check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	Water-Stained Leaves (B9) (MLRA 1, 2,
Surface Water (A1)	Water-Stained Leaves (B9) (except MLRA	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shaflow Aquitard (D3) FAC-Neutral Test (D5)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C8) Stunted or Stressed Plants (D1) (LRR A)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shaflow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shaflow Aquitard (D3) FAC-Neutral Test (D5)
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Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Ves Saturation Present? Section Present? Section Section (S2) Saturation Present? Section Section (S3) Surface Water Present? Section (S4) Section (S5) Surface Water Present? Section (S6) Surface Water Present	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C8) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetlant	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C8) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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WETLAND DETE	RMINATION D	ATA FORM	– Western Mou	ntains, Valleys, ar	nd Coast Region	
Project/Site A32		Cit	y/County Cla	llow	Sampling Date 3.	9.10
Applicant/Owner MOCA	7500	 -		Slate	$\neg I$	33
nvestigator(s)	NO			nge		
	()				Stope (%)	
andform (hillstope ferrace, etc.)				,		
Subregion (LRR)						
oil Map Unit Name						
ire climatic / hydrologic conditions on			-			ν
re Vegetation Soil o		\	,		present? Yes N	40 <u> </u>
se Vegetation Soil o	r Hydrology	naturally proble	matic? (If ne	eded, explain any answ	vers in Remarks.)	
SUMMARY OF FINDINGS - A	Attach site ma	p showing s	ampling point i	ocations, transect	s, important feature	es, etc
Hydrophytic Vegetation Present?	Yes	No /				
Hydric Soil Present?	Yes		Is the Sampled		No_X	
Wetland Hydrology Present?	Yes		within a Wetlar	no/ Yes	ND	
Remarks						
/EGETATION – Use scientifi						nya ya mayoo dagaa daada
			Dominant Indicator	Dominance Test wo	rksheet:	
Tree Stratum (Plot size		-	Species? Status	Number of Dominant That Are OBL_FACW		_ (A)
2				Total Number of Dom		(B)
3				Species Across All Si		_ (D)
4		=	Total Cover	Percent of Dominant That Are OBL FACM		(A/B)
Sapling/Shrub Stratum (Plot size				Prevalenca Index w	orksheet:	
2				Total % Cover of	Multiply by	
3					x1=	
4				FACW species	x 2 =	
5				FAC species	x3 =	<u> </u>
			Total Cover	FACU species	x 4 =	_
	}	24- 1	FOU	,	x5 =	
P. lancolote				Column Totals	(A)	(B)
2 L. VULLETTC		_ (3)		Prevalence Ind	ex = B/A =	
3 t. Culora		ه کیک ه	THAT !	Hydrophytic Vegeta		
THOUNK	3 111 2	- 16-	TAY.	Dominance Test		
5 D. GIONOICOR		_ 😓 -		Prevalence Inde	x is \$3.0°	
7				· Morphological A data in Rema	daptations ¹ (Provide supp irks or on a separate shee	orting e1)
8		 -		Welland Non-Va	scular Plants	
9				Problematic Hyd	trophytic Vegetation ¹ (Exp	olain)
10				Indicators of hydric	soil and wetland hydrolog	y must
11			Total Cover	be present, unless d	isturbed or problematic	
Woody Vine Stratum (Plot size)	<u> </u>	COME			
*				Hydrophytic		
2				Vegetation Present?	Yes No	
·	_		Total Cover	r i dadilli		-
	16.7		I DIAI COVE			
% Bare Ground in Herb Stratum	16 <u>1.</u>		10/8/ 0046/		· ··	

DIL				Sampling Point: 4 00
rofile Description: (Desc	ribe to the dep	th needed to document the indicate	or or confirm the	absence of indicators.)
Depth <u>Mati</u>	rix.	Redox Features		,
inches) Color (mois	1) %	Color (moist) % Type	Loc T	exture Remarks
Ha ID	H H			
				
277 TN12	77.bT	1810221 21-		
KALL LUYE				
	-t->			
211 IOUPT	<u></u>	10400 60%		
- 1	•			
				
ype: C=Concentration, D=	Depletion, RMs	Reduced Matrix, CS=Covered or Cou LRRs, unless otherwise noted.)	ted Sand Grains.	*Location: PL=Pore Lining, M=Matrix.
		•		Indicators for Problematic Hydric Solis':
_ Histosol (A1) _ Histic Epipedon (A2)		Sandy Redox (S5)		2 cm Muck (A10)
_ Plack Histic (A3)		Stripped Matrix (S6) Loamy Mucky Mineral (F1) (exce		Red Parent Material (TF2)
_ Hydrogen Sulfide (A4)		Loamy Mucky Mineral (F1) (exce Loamy Gleyed Matrix (F2)	PEMLKA 1)	Other (Explain in Remarks)
_ Depleted Below Dark Su	rface (A11)	Depleted Matrix (F3)		
_ Thick Dark Surface (A12		Redox Dark Surface (F6)		Indicators of hydrophytic vegetation and
_ Sandy Mucky Mineral (S		Depleted Dark Surface (F7)		wetland hydrology must be present.
Sandy Gleyed Matrix (S4	l)	Redox Depressions (F8)		unless disturbed or problematic.
strictive Layer (If presen	t):			
Type:				
Depth (inches).			Hu	dric Soll Present? Yes No X
emarks	Market Hotel And Townson		1 12	dric Soli Present? Yes No K
emarks	_			
	-			
DROLOGY	ıs:			
DROLOGY etland Hydrology Indicate				
DROLOGY etland Hydrology Indicate		, check all that apply)		Secondary Indicators (2 or more required)
DROLOGY etland Hydrology Indicate imary Indicators (minimum Surface Water (A1)		check all that apply) Water-Stained Leaves (B9)		Secondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2
DROLOGY etland Hydrology indicate imary indicators (minimum Surface Water (A1) High Water Table (A2)		check all that apply) Water-Stained Leaves (89) 1, 2, 4A, and 4B)		Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
DROLOGY etland Hydrology Indicator imary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3)		Check all that apply) Water-Stained Leaves (89) 1, 2, 4A, and 4B) Salt Crust (811)		Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
etland Hydrology Indicator imary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)				Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
DROLOGY etland Hydrology indicator imany Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)		Check all that apply) Water-Stained Leaves (89) 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1)	except MLRA	Secondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
DROLOGY etland Hydrology indicator imary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)			except MLRA	Secondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2 4A, and 4B) Dramage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cs) Geomorphic Position (D2)
DROLOGY etland Hydrology indicates imary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)			except MLRA g Living Roots (C3	Secondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2 4A, and 4B) Dramage Pattems (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3)
etland Hydrology Indicator imary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)			Except MLRA g Living Roots (C3 C4) ed Soils (C6)	Secondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2 4A, and 4B) Dramage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cs) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
DROLOGY etland Hydrology Indicato imany Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	of one required	check all that apply) Water-Stained Leaves (89) 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres aton Presence of Reduced Iron (0 Recent Iron Reduction in Till Stunted or Stressed Plants (Except MLRA g Living Roots (C3 C4) ed Soils (C6)	Secondary Indicators (2 or more required) Water-Stained Leaves (89) (MLRA 1, 2 4A, and 4B) Drainage Patterns (810) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
DROLOGY etland Hydrology indicates imary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	of one required	check all that apply) Water-Stained Leaves (89) 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres aton Presence of Reduced Iron (C1) Recent Iron Reduction in Till Stunted or Stressed Plants (C1) Other (Explain in Remarks)	Except MLRA g Living Roots (C3 C4) ed Soils (C6)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Dramage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Sampling Date _2 Project/Site _____ _ City/County _ _ State _____ Sampling Point _ _ Section, Township, Range Investigator(s) Landform (hillslope, terrace, etc.) Local relief (concave, convex, none): ______ Slope (%) _____ Long _____ Subregion (LRR) NWI classification. Soil Map Unit Name ___ Are climatic / hydrologic conditions on the site typical for this time of year? Yes _______ No _____ (If no. explain in Remarks) Are Vegetation _____ Soil _____ or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Yes _____ No. Hydric Soil Present? within a Wetland? ___ No _ Wetland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size ____ Number of Dominant Species That Are OBL, FACW, or FAC. Total Number of Dominant Species Across All Strata Percent of Dominant Species = Total Cover That Are OBL FACW or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: Total % Cover of Multiply by OBL species _____ x 1 = ____ FACW species _____ x 2 = ____ FAC species x 3 = ____ FACU species _ = Total Cover UPL species x 5 = Column Totals __ Prevalence Index = B/A = Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% Prevalence Index is \$3.0' ___ : Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) ___ Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic Total Cover Woody Vine Stratum (Plot size _ Hydrophytic Vegetation Present? ___ = Total Cover % Bare Ground in Herb Stratum Remarks

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J	u	r	_

Sampling Point: 1633

	pth needed to document the indicator or con	min the absence of mulcators.)
Depth <u>Matrix</u>	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc	Texture Remarks
()-14 1(7)/44/14		
SILT HOLDS	TO THE COST	-
773 101/1012	104/10/10 50·1.	
	·	
	I=Reduced Matrix, CS=Covered or Coated San	Grains. ² Location: PL≃Pore Lining, M≈Matrix.
Hydric Soil Indicators: (Applicable to al	I LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils':
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA	(1) Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	•
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4) Restrictive Layer (if present):	Redox Depressions (F8)	unless disturbed or problematic.
- · · · · · · · · · · · · · · · · · · ·	•	
Type		
Depth (inches)		Hydric Soll Present? Yes No
HYDROLOGY Wetland Hydrology Indicators:		
	d check all that apply)	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require	d check all that apply)	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	ed: check all that apply) Water-Stained Leaves (89) (except	Secondary Indicators (2 or more required) MLRA Water-Stained Leaves (B9) (MLRA 1, 2,
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Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (B1) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m.)	water-Stained Leaves (89) (except 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits Stunted or Stressed Plants (D1) (LRI Other (Explain in Remarks) No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) MLRA
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WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site A2Z		City/Ci	ounty Cla	llam	_ Sampling Date _	3.19,1
Applicant/Owner DOG	390 _			State		14/11
Investigator(s)		Sectio		ge		
Landform (hillstope, terrace, etc.)	0	Local	relief (concave, co	onvex, none)	Slop	e (%)
Subregion (LRR)				,		
Soil Map Unit Name				NWI classi		
Are climatic / hydrologic conditions on the			es <u>K</u> No	(If no, explain in	Remarks)	
Are Vegetation Soil or			oed? Are "N	Normal Circumstances	present? Yes	No. <u>K</u>
Are Vegetation Soil or	1		tic? (If nee	eded, explain any ansv		
SUMMARY OF FINDINGS - A				ocations, transec	ts, important fea	atures, etc.
A Control of the Cont	Yes X No					
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes No.	X_{-}	is the Sampled		No <u>\</u>	
Welland Hydrology Present?	Yes X No		within a Wetian	d7 Yes	No <u>/ </u>	ļ
VEGETATION – Use scientific	names of plants					
Tree Stratum (Plot size			ninant Indicator cies? Status	Dominance Test wo		
1				Number of Dominant That Are OBL FACV		(A)
2				Total Number of Don	ninant 🕤	
3				Species Across All S	1	(B)
4		= To	lal Cover	Percent of Dominant That Are OBL_FACV		0 1. (A/B)
Sapling/Shrub Stratum (Plot size		··				
1				Prevalence index w		
2				Total % Cover o	f. Multiply	<u>Y DY</u>
3				OBL species	5 x2= 2	50
4				FAC species	XO x3= (0	0
5		= To	tal Cover	FACU species	×4= \\	50
Herb Stratum (Plot size)			UPL species	x 5 =	
Dalomercua	·	₽ ₽ <u>}</u> -	1000	Column Totals		(B)
2 H. lacarus	6.00	$-\infty_{F}$		Prevalence Ind	lex = В/А = 👌	
manu muus	500	₩		Hydrophytic Veget		
4				Dominance Tes		
5				Prevalence Inde		
7				Morphological A	daptations' (Provide	supporting
8				Welland Non-Va		Silee!
9					ascular Plants grophytic Vegetation	(Explain)
10					soil and welland hyd	
11		<u> </u>		be present, unless t	isturbed or problema	ntic
Woody Vine Stratum (Plot size	١	- To	tal Cover			
Woody Vine Stratum (Plot size				Hydrophytic		
2				Vegetation Present?	Yes X No	
	2./	≈ To	tal Cover	rresentr	169 1. 110	
% Bare Ground in Herb Stratum	<u>) </u>			<u> </u>		
Remarks						

_	_		
e	\sim	и	

ampling Point: <u>H2H</u>

Profile Description: (Describe to the de	bru ussass to accompar the indicator of confilm	the absence of indicators.)
Depth Matrix	Redox Features	-
(inches) Color (moist) %	Color (moist) % Type Loc2	Texture Remarks
1/2-10 (OUH)414		
-		
5115 1210112	104PBA 15%	
10 amai	104 10	
		·
		!
	=Reduced Matrix, CS=Covered or Coated Sand Gr	
Hydric Soil Indicators: (Applicable to al		Indicators for Problematic Hydric Solis ³ :
- Histosol (A1)	Sandy Redox (\$5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3) Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gieyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Туре:		
Depth (inches).	. <u>. </u>	Hydric Soil Present? Yes No X
Remarks		
w		
HYDROLOGY		
HYDROLOGY Wetland Hydrology Indicators:		
· - /	d, check all that apply)	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require	· · · · · · · · · · · · · · · · · · ·	Secondary Indicators (2 or more required) Water Stained Leaves (RG) (MLRA 1, 2
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	Water-Stained Leaves (B9) (except MLF	RA Water-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B)	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11)	RA Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	 Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) 	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Is (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (B1) Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Wetta	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, m.)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Wetta	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Sparsely Vegetated Concave Surface (Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, m.)	Water-Stained Leaves (B9) (except MLF 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No Depth (inches): Wetta	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region City/County. Claudem Sampling Date 3 Project/Site State Sampling Point Applicant/Owner Investigator(s) ___ Section, Township, Range Local relief (concave, convex, none) ______ Slope (%) _ Landform (hilfslope terrace, etc.) Subregion (LRR) NWI classification. Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation _____ Soil _____ or Hydrology _____ significantly disturbed? Are 'Normal Circumstances' present? Yes ____ Are Vegetation Soil _____ or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? Yes No within a Wetland? NO_ Wetland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____) **Number of Dominant Species** That Are OBL, FACW, or FAC. Total Number of Dominant Species Across Ali Strala Percent of Dominant Species = Total Cover That Are OBL FACW or FAC Sapling/Shrub Stratum (Plot size Prevalence index worksheet: Total % Cover of Multiply by OBL species _____ x 1 = _____ FACW species __ x 2 = FACU species _____ x 4 = ___ = Total Cover x 5 = _____ Herb Stratum (Piol size UPL species Prevalence Index = 8/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% __ Prevalence Index is ≤3.0° ____ Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) ___ Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Woody Vine Stratum (Plot size Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum Remarks

ampling Point: 1

	th needed to document the indicator or confirm	m the absence of indicators.)
Depth Matrix	Redox Features	·
(inches) Cofor (moist) %	Color (moist) % Type Loc2	<u>Texture</u> Remarks
m-10		
O TOOK THE		
STATE TO THE STATE OF THE STATE	Harris	- <u>-</u>
717 IOUD 14	1006/2012	
		
		
*Type: C=Concentration, D=Depletion, RM	Reduced Matrix, CS=Covered or Coated Sand G	rains. ² Location: PL=Pore Lining, M≂Matrix.
Hydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils':
Histosof (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Other (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Expision in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	wetland hydrology must be present.
Restrictive Layer (if present):	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	unless disturbed or problematic.
Туре:		,
		V
Depth (inches):		Hydric Soll Present? Yes No
Remarks		
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required	chack all that analy)	On the first test to the
		Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except MLI	
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Underson College Oder (Oder	
	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	 , -	Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2)
Drift Deposits (B3) Algal Mail or Crust (B4)	Oxidized Rhizospheres along Living Roo	ots (C3) Geomorphic Position (D2)
Algai Mal or Crust (B4)	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4)	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Algal Mail or Crust (B4) iron Deposits (B5)	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Algal Mall or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Shallow Aquitard (D3) FAC-Neutral Test (D5)
Algal Mall or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (EFIeld Observations:	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solis (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Algal Mall or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (EField Observations:	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Algal Mal or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7 Field Observations: Surface Water Present? Yes A	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solls (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 80 Depth (Inches).	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7 Field Observations: Surface Water Present? Yes N	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches):	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (EField Observations: Surface Water Present? Yes Nater Table Present? Yes Nater Table Present? Yes Naturation Present? Yes Naturation Present? Yes Naturation Present?	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches). Depth (inches): Depth (inches):	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No
Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7 Field Observations: Surface Water Present? Yes Notes Table Present?	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Titled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches): Depth (inches):	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No
Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7 Field Observations: Surface Water Present? Yes Notes Table Present?	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches). Depth (inches): Depth (inches):	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No
Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (BField Observations: Surface Water Present? Yes Note that the Present? Yes Note the Present? Yes Note the Presen	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches). Depth (inches): Depth (inches):	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No X
Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (BField Observations: Surface Water Present? Yes Note that the Present? Yes Note the Present? Yes Note the Presen	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches). Depth (inches): Depth (inches):	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No
Algal Mall or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (BField Observations: Surface Water Present? Yes Note that the Present? Yes Note the Present? Yes Note the Present? Yes Note the Present	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches). Depth (inches): Depth (inches):	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No
Algal Mail or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7) Field Observations: Surface Water Present? Water Table Present? Yes No Sturiation Present? Saturation Present? Yes No Sturiation Present? Seturation Present? Yes No Sturiation Present? Seturation Present? Yes No Sturiation Present?	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches). Depth (inches): Depth (inches):	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No
Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B7 Field Observations: Surface Water Present? Yes Notes Table Present?	Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Depth (inches). Depth (inches): Depth (inches):	ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Protect/Site Applicant/Owner State Sampling Point Investigator(s) Section, Township, Range Landform (hillstope, terrace, etc.) Local relief (concave, convex, none) ______ Slope (%) ___ Subregion (LRR) Datum. Soil Map Unit Name NWI classification Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (if no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? No Wetland Hydrology Present? VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species That Are OBL, FACW, or FAC Total Number of Dominant Species Across All Strata (B) Percent of Dominant Species ____ = Total Cover (A/B) That Are OBL FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence index worksheet: Total % Cover of Multiply by. OBL species FACW species FAC species FACU species x4 = _ = Total Cover UPL species x 5 = Herb Stratum Column Totals _____ (A) _____ (B) Prevalence Index = B/A = __ Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.0° ____ : Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) ___ Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present unless disturbed or problematic Woody Vine Stratum (Plot size _ Hydrophytic Vegetation Present? = Total Cover % Bare Ground in Herb Stratum Remarks

Sampling Point: 4006

Depth <u>Matrix</u>	Redox Features	
inches) Color (moist) %	Color (moist) % Type Loc	Texture Remarks
		
710 101694		
ype: C=Concentration, D=Depletion, RM	Reduced Matrix, CS=Covered or Coated Sand G	rains. Location: Pt=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Solis':
Histosof (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)
_ Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	warm (warmer in theirigins)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
_ Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	uniess disturbed or problematic.
estrictive Layer (if present):		uness distorbed of problematic.
Type		V
Depth (inches).		Hydric Soll Present? Yes No
'DROLOGY		
/DROLOGY /etland Hydrology Indicators:		
'DROLOGY letland Hydrology Indicators: rimary Indicators (minimum of one required	d check all that apply)	Secondary Indicators (2 or more required)
'DROLOGY letland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1)	d. check all that apply) Water-Stained Leaves (89) (except ML)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 2
'DROLOGY stiand Hydrology Indicators: simary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	d. check all that apply) Water-Stained Leaves (B9) (except MLI 1, 2, 4A, and 4B)	Secondary (ndicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
PROLOGY Surface Water (A1) High Water Table (A2) Saturation (A3)	1. check all that apply) Water-Stained Leaves (89) (except MLI 1, 2, 4A, and 4B) Salt Crust (811)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
DROLOGY etiand Hydrology Indicators: imary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	1. check all that apply) Water-Stained Leaves (89) (except MLI 1. 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813)	Secondary Indicators (2 or more required) RA Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
PROLOGY Setiand Hydrology Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	d. check all that apply) Water-Stained Leaves (89) (except MLi 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) RA
PROLOGY Setiand Hydrology Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	d. check all that apply) Water-Stained Leaves (89) (except MLi 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc	Secondary Indicators (2 or more required) RA
PROLOGY (etland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	d. check all that apply) Water-Stained Leaves (89) (except MLi 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) RA
/DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	d. check all that apply) Water-Stained Leaves (89) (except MLi 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc	Secondary Indicators (2 or more required) RA
PROLOGY (etiand Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	d. check all that apply) Water-Stained Leaves (89) (except MLI 1, 2, 4A, and 4B) Salt Crust (811) Aquatic invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) RA
/DROLOGY /etiand Hydrology Indicators: // Indicators (minimum of one required Surface Water (A1)	d. check all that apply) Water-Stained Leaves (89) (except MLI 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A	Secondary Indicators (2 or more required) RA
/DROLOGY /etland Hydrology Indicators: //finary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B5)	d. check all that apply) Water-Stained Leaves (89) (except MLI 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) RA
PROLOGY Setiand Hydrology Indicators: timary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B1) Sparsely Vegetated Concave Surface (B1)	d. check all that apply) Water-Stained Leaves (89) (except MLI 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) RA
/DROLOGY /etland Hydrology Indicators: timary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I	d. check all that apply) Water-Stained Leaves (89) (except MLi 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) RA
Portional Hydrology Indicators: Itimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (Indicated Water Present?	d. check all that apply) Water-Stained Leaves (89) (except MLi 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A7) Other (Explain in Remarks) No Depth (inches).	Secondary Indicators (2 or more required) RA
Portional Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (Indicated Water Present? Ves	Mater-Stained Leaves (89) (except MLI 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced fron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) Depth (inches) Depth (inches)	Secondary Indicators (2 or more required) RA
Vetland Hydrology Indicators: Irimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (Indicated Water Present? Vater Table Present? Yes aturation Present?	Mater-Stained Leaves (89) (except MLI 1, 2, 4A, and 4B) Salt Crust (811) Aquatic invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced fron (C4) Recent fron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A 7) Other (Explain in Remarks) Depth (inches)	Secondary Indicators (2 or more required) RA
POROLOGY Vetland Hydrology Indicators: Irimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (Idd Observations: urface Water Present? Ves Jaturation Present? Ves Includes capillary fringe)	d. check all that apply) Water-Stained Leaves (89) (except MLi 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetl	Secondary Indicators (2 or more required) RA
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B: Sparsely Vegetated Concave Surface (Ield Observations: urface Water Present? Yes Jaturation Present? Yes Includes capillary fringe)	Mater-Stained Leaves (89) (except MLI 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced fron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A Other (Explain in Remarks) Depth (inches) Depth (inches)	Secondary Indicators (2 or more required) RA
POROLOGY Vetland Hydrology Indicators: Irimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (Idd Observations: urface Water Present? Ves Jaturation Present? Ves Includes capillary fringe)	d. check all that apply) Water-Stained Leaves (89) (except MLi 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetl	Secondary Indicators (2 or more required) RA
/DROLOGY /etland Hydrology Indicators: timary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I eld Observations: urface Water Present? //eter Table Present? //essemble Sparsely (Pessent) //essemble Spar	d. check all that apply) Water-Stained Leaves (89) (except MLi 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetl	Secondary Indicators (2 or more required) RA
/DROLOGY /etiand Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I eld Observations: urface Water Present? Yes Saturation Present? Yes	d. check all that apply) Water-Stained Leaves (89) (except MLi 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetl	Secondary Indicators (2 or more required) RA
/DROLOGY /etiand Hydrology Indicators: rimary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Sparsely Vegetated Concave Surface (I eld Observations: urface Water Present? Ves saturation Present? Ves caturation Present? Ves	d. check all that apply) Water-Stained Leaves (89) (except MLi 1, 2, 4A, and 4B) Salt Crust (811) Aquatic Invertebrates (813) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): Wetl	Secondary Indicators (2 or more required) RA

jeci/Site AAZ	C	α	110		~ \^
	UIIY/C	ounty.	(HCuY)_	_ Sampling Date	<u> 5.19.</u>
West William			State		$12 \circ 7$
estigator(s)	Section	on, Township, Rang	e		
			nvex none)		ope (%) 5 <u>(</u>
			Long.		
/ L			NWI classif	fication.	<u> </u>
I Map Unit Name	of year?				
climatic / hydrologic conditions on the sile typical for this time	antly distur	bed? Are N	ormal Circumstances	present? Yes	No K
Vegetation Soil or Hydrology signific	lly problem		ded, explain any ansv		
e Vegetation Soil or Hydrology natura					instiurne et
JMMARY OF FINDINGS - Attach site map show	wing san	npling point to	cations, transec	es, important i	
lydrophytic Vegetation Present? Yes 🐰 No	,	is the Sampled	Area	(,	
lydric Soil Present? Yes No	/	within a Wetland	1? Yes	No <u>X</u>	
Velland Hydrology Present? Yes No					
temarks					
and the same of plants					
EGETATION - Use scientific names of plants.	olute Do	minant Indicator	Dominance Test wo	orksheet:	
		ecies? Status	Number of Dominant		1
Tee Stiblion			That Are OBL: FACV	V, or FAC.	<u> </u>
2			Total Number of Don	ninant	3
3			Species Across All S	irala	(R)
<u> </u>			Percent of Dominant		100 1-1A/E
	= †	olal Cover	That Are OBL FAC	N, or FAC	
Sapling/Shrub Stratum (Plot size			Prevalence Index w		
2			Total % Cover of		iply by
3			OBL species	* * 1 = -	
4			FACW species	クロ x2 = _ ろう x3 = _	in
5			FAC species	X4 =	40
	=]	Total Cover	FACU species	10 x5=	5
Herb Siratum (Piol size	75 X	FAC	Column Totals	(A)	(I
DO 3 1 (XIII 1) 5500	90 K	FACU	J .		20
2 CC COLE	n _	<u> </u>		dex = B/A =	<u> </u>
schiocopica causcalli-		Facu	Hydrophytic Vege		
Tel 21 10 300	_ كنا	-fec	Dominance Te		
5 Dalisverata	70 -	_ FECU	Prevalence Ind		uda suppositio
7			Morphological data in Rem	Adaptations (Ploy harks or on a sepai	ate subborning
8				/ascular Plants	
9			Problematic Hy	ydrophytic Vegetat	ion" (Explain)
10			Indicators of hydri	c soil and wetland	hydrology mus
11		Total Cover	be present, unless	disturbed or proble	imatic.
June 1 Mars Stroken (Blot 5:79	<u> برب</u>	I OIBI COVEI			
Woody Vine Stratum (Plot size)			Hydrophytic	1.4	
1			Vegetation Present?	Yes X N	o
2	=	Total Cover			
% Bare Ground in Herb Stratum			<u> </u>		- -
A Bare Grown					

SOIL					•	•	Sa	mpling Point	100 C
Profile Desc	ription: (Describe to	the depth need	ed to docume	int the Indicato	r or confirm	the absence			
Depth	Matrix			Features				•	
(inches)	Color (moist)	% Cold	or (moist)	% Type	Loc²	Texture		Remarks	
		 ,							
11)-18	117,16741	4 100	·						
	_+ ~~ +								
			 -						
l <u>-</u>									
								-	
									
									
		 							
'Type. C=Co	ncentration, D=Deplet	ion, RM=Reduce	d Matrix, CS=	Covered or Coa	led Sand Gra	ains. 2L	ocation: PL≃i	Pore Lining, M	=Matrix
	ndicators: (Applicab							lematic Hydri	
Histosof ((A1)	Sa	ndy Redox (S5)		2	cm Muck (A10)}	
Histic Epi	ipedon (A2)	Stri	pped Mairix (S	6)			ed Parent Mat	-	
Black His	itic (A3)	Los	imy Mucky Mir	neral (F1) (exce	HLRA 1)	_ 0	ther (Explain i	n Remarks)	
	n Sulfide (A4)		imy Gleyed Ma						
	Below Dark Surface (pleted Matrix (f	•			•		
	rk Surface (A12)	_	dox Dark Surfa			³ In dic a	ators of hydrop	hytic vegetatio	on and
_	ucky Mineral (S1)		pleted Dark Su				-	y must be pres	
	eyed Matrix (S4) ayer (if present):		ox Depression	15 (70)		uni	ess disturbed	or problematic	
	•					1			
Type	<u> </u>					į			X
Depth (incl Remarks	hes).					Hydric Sc	oil Present?	Yes	No V
1YDROLOG									
•	rology Indicators: ators (minimum of one	convicted about	all these assists			_			
		reduired, check						tors (2 or more	
	Vater (A1)	_		d Leaves (89) (except MLR	KA		d Leaves (B9)	(MLRA 1, 2,
Saturation	er Table (A2)		1, 2, 4A, 8				4A, and 4	•	
			Salt Crust (B	•		_	Drainage Pati	-	
Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1)				-	•	Vater Table (C	•		
Drift Depo					dising Desi			sible on Aerial	imagery (C9)
		_		zospheres along Reduced trop (C					
Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Solis (Cf				•		Shallow Aquit			
	ioil Cracks (B6)			ressed Plants (I			FAC-Neutral 1		DD A1
_	n Visible on Aerial Ima	 gery (87)		n in Remarks)	JII (ERR A)	_		ounds (D6) (Li	
-	Vegetated Concave S	- ,	Oliver (Expidi	in in remarks)		_	FIOSI-MEBVE	Hummocks (Di	"
Field Observa									
Surface Water		No	Depth (meh)	ne)					
		<u></u>	Depth (inche	15)	-				
Water Table P			_ Depth (inche	18) — TA				_	IJ.
Saturation Pre (includes capil		No <u>X</u>	_ Depth (inche	es):	— Wetla	ind Hydrola	gy Present?	Yes	No _K
Describe Reco	orded Data (stream ga	uge, monitoring	well, aerial pho	tos, previous in	spections), if	f available			
Remarks					····				

WETLAND DETER						
Project/Site A37		Cito/i	County.	Man	_ Sampling Date 2	<i>a</i> a.1
Applicant/Owner NOVU	5500			State	1.5	1 3 8
		 -		nge		
nvestigator(s)				•		61
andform (hillstope, terrace, etc.)						
Subregion (LRR)						
ioil Map Unit Name					fication	
are climatic / hydrologic conditions on t				(If no, explain in	Remarks)	l.
Are Vegetation Soil or	Hydrology	sonificantly distu	irbed? Are	Normal Circumstances	" present? Yes	No K
are Vegetation Soil or	Hydrology	naturally problem	natic? (If ne	eded, explain any answ	vers in Remarks.)	
SUMMARY OF FINDINGS - A				ocations, transect	ts, important featu	res, etc.
TO THE STATE OF TH						
Hydrophytic Vegetation Present?	Yes		is the Sampled	Area	١,	
Hydric Soil Present?	Yes		within a Wetlan	d? Yes	No <u>X</u>	
Wetland Hydrology Present?	Yes	No	<u> </u>			
Remarks						
VEGETATION – Use scientific						
AFGETATION - Ose scientific	Haines Or pie		ominant Indicator	Dominance Test wo	rksheet:	•. •
Tree Stratum (Plot size)		ecies? Status	Number of Dominant		
1		 _		That Are OBL FACV		(A)
2				Total Number of Don	ninani 🛌	
3				Species Across Ali S		(B)
4				Percent of Dominant	Species Unit.	
		= 7	fotal Cover	That Are OBL FACV		(A/B)
Sapling/Shrub Stratum (Plot size				Prevalence Index w	orksheet:	
1				1 ' '	f Multiply by	
2					x 1 =	
3					x 2 =	
5				ł.	x 3 =	
5			Total Cover	FACU species	x 4 =	
Herb Stratum (Plot size	1	110	127	UPL species	x 5 =	
L. Vulgare		걸 ^ y	<u>. YL</u>	Column Totals	(A)	(B)
2 D. CACOTA		<u> </u>		Barratana las	lex = B/A =	
3 Plance OFTE	<u> </u>	<i>_ 설</i> 은 는		Hydrophytic Veget		
· H. radicata		— <u> </u>		Dominance Tes		
5 F. CUDRA				Prevalence Inde		
6 Teitolune 3	WO CO	— 112 -	Tak.	i —	Adaptations' (Provide sur	porting
1 Novinciano	TShto			data in Rema	arks or on a separate she	eel)
6 VICICL KURSU			(P C	Welland Non-Vi		
g					drophytic Vegetation (E)	
10				'Indicators of hydric	soil and wetland hydrolo disturbed or problematic	gy must
11		tm5 :	Total Cover	be present, unless of	insturbed or problematic	
Woody Vine Stratum (Plot size)	+ +	. 1.0. 4010			
110001 11110 00-000		<u> </u>		Hydrophytic		
2				Vegetation Present?	Yes No 🗶	
		=	Total Cover	, 1030		_
% Bare Ground in Herb Stratum				<u> </u>		
Remarks						

SOIL		Sampling Point: 168
Profile Description: (Describe to the dept	h needed to document the indicator or con	firm the absence of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type' Loc	<u> </u>
10-10 10484 H		
716 104n5/4	Toyeste 10t	
		,
Type Cocceptation DeDoniston Pite	Poducod Makin Concessor of Control Con	
Hydric Soil Indicators: (Applicable to all L	Reduced Matrix, CS=Covered or Coated Sand	
	_	Indicators for Problematic Hydric Solls ³ :
Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5)	2 cm Muck (A10)
Black Histic (A3)	Stripped Matrix (S6)	Red Parent Material (TF2)
Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) (except MLRA Loamy Gleyed Matrix (F2)	(1) Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present
Sandy Gieyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (If present):		
Type:		
Depth (inches):		Hydric Soil Present? Yes No
Remarks	and the state of t	
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required	check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (89) (except I	
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Dry-Season Water Table (C2)	
Sediment Deposits (B2)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living F	
Algal Mat or Crust (84)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Titled Solls	
Surface Soil Cracks (B6)		
Inundation Visible on Aerial Imagery (B7)	Stunted or Stressed Plants (D1) (LRF Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B		
Field Observations:		trade from the command the product of the command the
Surface Water Present? Yes N	o Depth (inches)	
Water Table Present? Yes N		
	f I	
Saturation Present? Yes N (includes capillary fringe)	o Depth (inches): W	etland Hydrology Present? Yes No A
	itoring well, aerial photos, previous inspection	s), if available
Remarks		
(Constants		

WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region City/County () All Sampling Date Project/Site State _____ Sampling Point Applicant/Owner ___ Section, Township, Range. ___ Investigator(s) Local relief (concave, convex, none) _____ Slope (%) Landform (hillslope ferrace, etc. _____ Long. ___ Subregion (LRR) _ ___ NWI classification. _ Soil Map Unit Name Are climatic / hydrologic conditions on the site typical for this time of year? Yes---No (If no, explain in Remarks) Are Vegetation _____ Soil _____ or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ Are Vegetation Soil or Hydrology _____naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Welland Hydrology Present? Remarks VEGETATION - Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator % Cover Species? Status Tree Stratum (Plot size _____) Number of Dominant Species (A) That Are OBL, FACW or FAC Total Number of Dominant (B) Species Across All Strata Percent of Dominant Species ____ = Total Cover That Are OBL. FACW, or FAC Sapling/Shrub Stratum (Plot size Prevalence Index worksheet: The second secon Total % Cover of OBL species _____ x 1 = ___ FACW species ___ FAC species _____ FACU species __ = Total Cover UPL species Herb Stratum (Piot size Column Totals _____ (A) _____ (B) Prevalence Index = B/A = __ Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.01 Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) _ Welland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic ____= Total Cover Woody Vine Stratum (Plot size ____ Hydrophytic Vegetation Present? ____= Total Cover % Bare Ground in Herb Stratum _ Remarks

SOIL		Sampling Point:
Profile Description: (Describe to the day	oth needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix	Redox Features	•
(inches) Color (moist) %	Color (moist) % Type Loc2	Texture Remarks
1 10 10 10 10 10 10 10 10 10 10 10 10 10		
10-10 INUM4141		
בושתוחות חלל	7006271	
1 - 10 - 10 of 1 11 - 2	-1746 1-6-2-1	
		
Trunci CoConnectation DeBooleton DA	204	
Hydric Soil Indicators: (Applicable to all	Reduced Matrix, CS=Covered or Coated Sand Gra	
Histosol (A1)		Indicators for Problematic Hydric Solls
Histic Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)	2 cm Muck (A10)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Red Parent Material (TF2)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic
Restrictive Layer (if present):		
Туре:		
Depth (inches):		Hydric Soil Present? Yes No K
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required	d; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except MLR	***************************************
High Water Table (A2)	1, 2, 4A, and 4B)	A Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living Roots	Solution visible on Kensi imagery (C9)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Solis (C6)	FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	
Inundation Visible on Aerial Imagery (B)		Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (8	,	
Field Observations:		
Surface Water Present? Yes I	No Depth (inches)	
Water Table Present? Yes	No Depth (inches):	
		nd Hydrology Present? Yes No.
(includes capillary fringe)	·	
pescribe Racorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspections), if	available.
Remarks		